


ARKEMA (ARKEMA-HENDERSON Rd. Houston)

CAUSTIC MANAGEMENT

 Sparco™
File Folders

JB

assigned

START July 2009
thru

Start
HERE
↓

Start
HERE
✓

Akema

Sodium Hydroxide Solution

2 Hrs Free Loading

Purchase Order # 4500394919

			CES Cost	Customer Charge	0.31 /
7/16/09					
Transportation	1 Load			400.00	
Loading demurrage	.25 hrs			17.50	
13.5% Fuel Surcharge				56.36	
Management Fee (Sochem)	4958 gal	BOL 88872	4958	297.48	1,536.98
Trans - Outbound Accrual (CES Internal)				743.70	
1% Compliance Fee				20.11	20.11
				\$1,061.29	\$2,030.95
to DeRidder				\$969.66	

Akema

Sodium Hydroxide Solution

2 Hrs Free Loading

Purchase Order # 4500394919

			CES Cost	Customer Charge	0.31 /
7/17/09					
Transportation	1 Load			400.00	
Loading demurrage	1.5 hrs			105.00	
13.5% Fuel Surcharge				68.18	
Management Fee (Sochem)	5159 gal	BOL 88871	5159	309.54	1,599.29
Trans - Outbound Accrual (CES Internal)				773.85	
1% Compliance Fee				21.72	21.72
				\$1,105.11	\$2,194.19
to DeRidder				\$1,089.08	

Akema

Sodium Hydroxide Solution

2 Hrs Free Loading

Purchase Order # 4500394919

			CES Cost	Customer Charge	0.31 / gal
7/16/09					
Transportation 1 Load				400.00	
Loading demurrage .25 hrs				17.50	
13.5% Fuel Surcharge				56.36	
Management Fee (Sochem) 4958 gal	BOL 88872	4958	297.48	1,536.98	
Trans - Outbound Accrual (CES Internal)			743.70		
1% Compliance Fee			20.11	20.11	
			\$1,061.29	\$2,030.95	
to DeRidder				\$969.66	

Akema

Sodium Hydroxide Solution

2 Hrs Free Loading

Purchase Order # 4500394919

			CES Cost	Customer Charge	0.31 / gal
7/17/09					
Transportation 1 Load				400.00	
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1% Compliance Fee			21.72	21.72	
			\$1,105.11	\$2,194.19	
to DeRidder				\$1,089.08	

CES Environmental Services, Inc.
Profit & Loss Sheet

CONFIDENTIAL

CONFIDENTIAL

Billing/AP Information	
Name:	Arkema Inc
Contact:	Brantley Moonyham
Address:	
Phone:	
Fax:	

Salesperson:	Joy Baker	
Assigned:	Unassigned:	x

Folder I.D.#	Arkema (Arkema - Haden Rd)
	Caustic Management
	Non Bulk Disposal

Job Contact:	Grace Dean	
Phone:	713-450-6746	
Fax:		

P.O. Required:	Y:	x	N:		Fuel Surcharge:	Y:	X	N:	
City of Houston:	Y:		N:	x	4-hour Minimum:	Y:		N:	x

Base Oils	Black Oils	Light Ends	Glycols	Emulsion Oils (>70% oil)	Emulsion Oils (50%-70% oil)
Job Estimate					
Item	Vendor	Profile #	CES Cost	Customer Charge	
Product Management	CES	2602		\$0.54/gal	.31/gal
Transportation (inc 2 hrs loading)	CES			\$400/load	
Demurrage	CES			\$70/hr	
FSC	CES				20% 245.265% 315
<i>Solvent Surcharge upto 190 / .01 per gallon above 190</i>					
<i>Occasional - Sochem</i>					
<i>CES Internal Plans (on ground)</i>				.06/gal	
				.15/gal	
* KMTX - IN/OUT FEES					
* KMTX - Storage Fees					

MAY 2009

Customer 20% 245.265%

Customer Special Request/Requirement
Blanket PO #: 420 4500394919
Send invoice to corporate address
<i>IF NECESSARY</i>

CONFIDENTIAL



4904 Griggs Road
Houston, TX 77021
Phone: 713-676-1460
Fax: 713-676-1676

September 13, 2007

Brantley Mooneyham
Arkema Inc
2231 Haden Road
Houston, TX 77015

Re: Transportation and Product Management Quote

Dear Mr. Mooneyham:

Thank you for your interest in CES Environmental Services, Inc. and our industrial waste transportation and disposal services. Please find below our proposed scope of service and associated pricing for your consideration.

Scope of Service

- CES will provide transportation & product management of Arkema's spent caustic stream estimated at 150,000 gallons per year.
- CES will provide for the profile, bill of lading, labels, and appropriate shipping documents.

Estimated Costs

Description of Service	Price
Product Management of spent caustic stream	\$0.54 per gallon
Transportation	\$400.00 per load
Fuel Surcharge	20%

*Price change May 09
0.31/gal*

Conditions/Assumptions

- The above pricing is based on time and materials, the customer's invoice will reflect the actual quantities utilized on the project.
- Product management fee includes up to 1% solids in the caustic stream. Additional solids will be assessed surcharge of \$0.01/gallon per percentage solids.
- Transportation rate (if applicable) includes ~~one~~ hour loading and unloading time. There will be a demurrage charge of \$70/hour.

It is our sincere hope that you find our proposed scope of service and associated pricing appealing and will consider utilizing the services offered by CES Environmental Service, Inc. If you have any questions or comments or would like to begin service, please feel free to contact me at 281-701-8511.

Sincerely,

Joy Baker
Account Manager



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

Date	Invoice #
7/28/2009	57871

Bill To: Arkema, Inc.
Attn: Accounts Payable
2231 Haden Road
Houston, TX 77015

P.O. No.	Terms	Project
4500394919	Net 30	

Quantity	Description	Manifest #	Rate	Amount
1	7/16/08 Transportation services by CES @ \$400.00 per load		400.00	400.00
0.25	Loading demurrage @ \$70.00 per hour		70.00	17.50
	13.5% Fuel Surcharge		56.36	56.36
4,958	Recycling of flammable liquid, corrosive, (sodium hydroxide, carbon disulfide @ \$0.31 per gallon	BOL 88872	0.31	1,536.98
	1% Compliance Fee		20.11	20.11
	CES Job#88872			

We appreciate your business!

Subtotal \$2,030.95

Sales Tax (8.25%) \$0.00

Total \$2,030.95

Late Payment Policy: Any unpaid balances beginning on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.



**CES Environmental
Services, Inc.**

Bill Of Lading # :

88872

100 871

Folder ID :

Arkema (Haden Rd)
Causal Management

Original - Shipper Provided Short Form Straight Bill of Lading -- Not Negotiable -- Domestic

SHIPPED FROM :

Arkema, Inc. - Houston
2231 Haden Road
Houston, TX 77015
(713) 450-6770

11a) PA-260Z
11b)
11c)
11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

For payment: Charges to be billed to Shipper or the "Billed to" party are set forth in the governing contract with Shipper. No charges other than those contained therein may be billed to Shipper or the "Billed to" party without prior written consent of Shipper. The extra copy of this Bill of Lading, furnished at the time of shipment, must be attached to the freight bill submitted to Shipper or the "Billed to" party and sent to:

CONSIGNEE TO :

CES Environmental (Port Arthur)
2420 Gulfway Dr.
Port Arthur, TX 77640

CARRIER :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this shipment moves between ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is carrier's or shipper's weight.

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.502 implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			

Yes ☐ No ☒ TT 43280 P UN 2924, Flammable liquid, Corrosive, n.o.s., 3, PG II

100 877
100 6 63
214

Shipper: Arkema, Inc. - Houston

Per: Wesley Joy

Signature: Wesley Joy

Date: 07-16-09

Carrier: CES Environmental Services, Inc.

Per: Preston Sanders

Signature: Preston Sanders

Date: 07-16-09

Receiving Facility: CES Environmental (Port Arthur)

Per: Johnstone Malecho

Signature: Johnstone Malecho

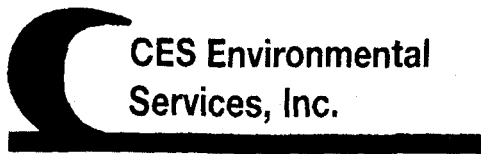
Date: 07-16-09

White (Generator Return Copy)

Yellow (Transporter Copy)

Pink (Receiving Facility Copy)

Golden Rod (Generator Ref Copy)



CES Environmental
Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Inbound Load Report

Job Number : 88872
Type of Material: spent caustic

Job Date: 7/16/2009
Bill of Lading #: 88872
Customer: Arkema, Inc. - Houston

Gross Weight: _____
Tare Weight: _____ OR Total Gallons Shipped: _____
Net Weight: 43280

Shipping Information

Carrier: CES Environmental (Port Arthur)
Truck Number: _____
Trailer Number: 224

CES Laboratory Use Only

Specific Gravity: 1.047
Pounds per Gallon: 8.73
Temperature: _____
Total Gross Gallons: 4958
% Water: _____
% Solids: _____
Total Net Gallons: _____
(minus water and solids)

Misc Notes:

Sulfides - 0.653%
Mercaptanes - 1.306%
NaOH - 5.084%
Carbonates - 2.43%

Sample Analyst: _____
(signature)

Sample Analyst: Unassigned Date: 7/16/2009



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 878-1460
Fax. (713) 878-1678

100 877

Transportation Work Ticket

Folder ID : Arkema (Haden Rd)
Caustic Management

Date : 7/16/2009

Manifest # :

Arkema, Inc. - Houston

Client :

Ticket :

98872

Phone : 7134506770

CES Environmental (Port Arthur)

Consignee :

CES Environmental Services, Inc.

Transporter :

Signature

Wally Joy

Signature

Leave CES Yard :

705

Arrive At Destination

1230

Arrive At Customer :

800

Begin Unloading :

140

Begin Loading :

904

Finish Unloading :

210

Finish Loading :

1021

Leave Destination :

215

Leave Customer :

1100

Arrive At CES Yard :

415

Customer PO #:

Total Hours:

CES Unload: ☐

Gross Weight :

Ending Odometer :

100877

Tare Weight :

Beginning Odometer :

100663

Net Weight :

43280

Total Miles :

214

Driver :

Preston Sanders Tractor # 225

Tote # :

Signature :

Preston Sanders

Trailer # : 234

Box # :

Job Comments/Equipment :

White (CES Office)

Yellow (CES Office / Billing)

Pink (CES Office / IFTA)

Golden Rod (Customer)

EPAHQ040003144

WEIGHED ON A FAIRBANKS SCALE

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY SPEAKING

CARRIER CEC-234

LOOP R 19 ID 0

INBOUND 32720 lb

INBOUND DATE 07-16-09 TIME 07:20 AM

OUTBOUND DATE 07-16-09 TIME 09:39 AM

4555
CEC
LOOP R 19

76000 16 GR
32720 16 TA
43280 16 NT

DRIVER ON ☒ OFF ☐

SHIPPER _____

WEIGHER [Signature]

FAIRBANKS SCALE CAT. 16288



**CES Environmental
Services, Inc.**

Invoice

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Date	Invoice #
7/28/2009	57872

Bill To: Arkema, Inc.
Attn: Accounts Payable
2231 Haden Road
Houston, TX 77015

P.O. No.	Terms	Project
4500394919	Net 30	

Quantity	Description	Manifest #	Rate	Amount
1	7/17/08 Transportation services by CES @ \$400.00 per load		400.00	400.00
1.5	Loading demurrage @ \$70.00 per hour		70.00	105.00
	13.5% Fuel Surcharge		68.18	68.18
5,159	Recycling of flammable liquid, corrosive, (sodium hydroxide, carbon disulfide @ \$0.31 per gallon	BOL 88871	0.31	1,599.29
	1% Compliance Fee		21.72	21.72
	CES Job#88871			

We appreciate your business!

Subtotal \$2,194.19

Late Payment Policy: Any unpaid balances beginning on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

Sales Tax (8.25%) \$0.00

Total \$2,194.19



**CES Environmental
Services, Inc.**

Bill Of Lading # :

88871

TT #234

Folder ID :

Arkema (Haden Rd)
Causeway Management

Original - Shipper Provided Short Form Straight Bill of Lading - Not Negotiable - Domestic

SHIPPED FROM :

Arkema, Inc. - Houston
2231 Haden Road
Houston, TX 77015
(713) 450-6770

11a) PA-260Z
11b)
11c)
11c)

The property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its unusual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods. It is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

For payment: Charges to be billed to Shipper or the "Billed to" party are set forth in the governing contract with Shipper. No charges other than those contained therein may be billed to Shipper or the "Billed to" party without prior written consent of Shipper. The extra copy of this Bill of Lading, furnished at the time of shipment, must be attached to the freight bill submitted to Shipper or the "Billed to" party and sent to:

CONSIGNEE TO :

CES Environmental (Port Arthur)
2420 Gulfway Dr.
Port Arthur, TX 77640

CARRIER :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this Shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.54(e) implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this Bill of Lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			

Yes	1	TT	45040P		UN 2924, Flammable liquid. Corrosive, n.o.s., 3, PG II
-----	---	----	--------	--	--

Shipper : Arkema, Inc. - Houston

Per : Grace Dean

Signature : Grace Dean

Date : 7/17

Carrier CES Environmental Services, Inc.

Per : Robert Hickman

Signature : Robert Hickman

Date : 07-17-09

Receiving Facility CES Environmental (Port Arthur)

Per : Johnstone Maleche

Signature : Maleche

Date : 7/17/09

White (Generator Return Copy)

Yellow (Transporter Copy)

Pink (Receiving Facility Copy)

Golden Rod (Generator 1st Copy)

EPAHQ040003147



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Inbound Load Report

Job Number : 88871
Type of Material: Caustic

Job Date: 7/17/2009
Bill of Lading #: 88871
Customer: Arkema, Inc. - Houston

Gross Weight: _____
Tare Weight: _____ **OR** **Total Gallons Shipped:** 5159
Net Weight: 45040

Shipping Information

Carrier: CES Environmental Services, Inc.
Truck Number: 281
Trailer Number: 234

CES Laboratory Use Only

Specific Gravity: 1.047
Pounds per Gallon: 8.73
Temperature: _____
Total Gross Gallons: 5159
% Water _____
% Solids 0
Total Net Gallons: 5159
(minus water and solids)

Misc Notes:

% Caustic 5.08

Sample Analyst: _____
(signature)

Sample Analyst: Bo Cumberland

Date: 7/27/2009

**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1480
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : Arkema (Haden Rd)
Caustic Management

Date : 7/17/2009

Manifest # :

Arkema, Inc. - Houston

Client :

Ticket :

86871

Phone : 7134508770

CES Environmental (Port Arthur)

Consignee :

CES Environmental Services, Inc.

Transporter :

Signature

Muc Dean

Signature

Stale

Leave CES Yard :	0700	Arrive At Destination	12.25
Arrive At Customer :	0730	Begin Unloading :	1345
Begin Loading :	0830	Finish Unloading :	1415
Finish Loading :	1030	Leave Destination :	1425
Leave Customer :	1100	Arrive At CES Yard :	1700

*3.5 hr
- 2 hr free
1.5 hr
demurrage*

Customer PO #:

Total Hours:

10.0

CES Unload: ☐

Gross Weight : 75380

Ending Odometer : 136941

Tare Weight : 30340

Beginning Odometer : 136754

Net Weight : 45040

Total Miles : 187

Driver : Hickman, Robert

Tractor # : 283

Tote # :

Signature :

Robert Hickman

Trailer # : 234

Box # :

Job Comments/Equipment :

White (CES Office)

Yellow (CES Office / Billing)

Pink (CES Office / IFTA)

Golden Rod (Customer)

EPAHO040003149

WEIGHED ON A FAIRBANKS SCALE

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY SPeat CAUSYK

CARRIER 234

LOOP R 2 ID 0

INBOUND 30340 1b

INBOUND DATE 07-17-09 TIME 07:07 AM

OUTBOUND DATE 07-17-09 TIME 09:33 AM

LOOP R 2

75380 1b GR

30340 1b TA

45040 1b NT

DRIVER ON ☒ OFF ☐

SHIPPER Arkenia

WEIGHER JM

FAIRBANKS SCALE CAT. 16288



**CES Environmental
Services, Inc.**

Invoice

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

copy

Date	Invoice #
7/28/2009	57872

Bill To: Arkema, Inc.
Attn: Accounts Payable
2231 Haden Road
Houston, TX 77015

P.O. No.	Terms	Project
4500394919	Net 30	

Quantity	Description	Manifest #	Rate	Amount
1	7/17/08 Transportation services by CES @ \$400.00 per load		400.00	400.00
1.5	Loading demurrage @ \$70.00 per hour		70.00	105.00
	13.5% Fuel Surcharge		68.18	68.18
5,159	Recycling of flammable liquid, corrosive, (sodium hydroxide, carbon disulfide @ \$0.31 per gallon	BOL 88871	0.31	1,599.29
	1% Compliance Fee		21.72	21.72
	CES Job#88871			

We appreciate your business!

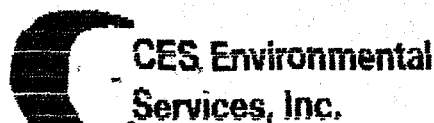
Subtotal \$2,194.19

Late Payment Policy: Any unpaid balances beginning on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

Sales Tax (8.25%) \$0.00

Total \$2,194.19

TT #234



Bill Of Lading # :

88871

Folds ID : Arkema (Haden Rd)
Caustic Management

Original - Shipper Provided Short Form Straight Bill of Lading - Not Negotiable - Domestic

SHIPPED FROM :

Arkema, Inc. - Houston
2231 Haden Road
Houston, TX 77015
(713) 450-6770

11a) PA-260Z
11b)
11c)
11c)

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CONSIGNEE TO :

CES Environmental (Port Arthur)
2420 Gulfway Dr.
Port Arthur, TX 77640

CARRIER :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this Shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.540 implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			
Yes	1	TT	45040 P		UN 2024, Flammable liquid. Corrosive, n.o.s., 3, PG II

Shipper: Arkema, Inc. - Houston

Per: Grace Dean Signature: Grace Dean Date: 7/17

Carrier CES Environmental Services, Inc.

Per: Robert Hickman Signature: Robert Hickman Date: 07-17-09

Receiving Facility CES Environmental (Port Arthur)

Per: Johnstone Maleche Signature: Maleche Date: 7/17/09

White (Generator Return Copy)

Yellow (Transporter Copy)

Pink (Receiving Facility Copy)

Golden Rod (Generator 1st Copy)

WEIGHED ON A FAIRBANKS SCALE

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY Spent CAUSTIC

CARRIER 234

LOOP R. 2 ID 0

INBOUND 30340 1b

INBOUND DATE 07-17-09 TIME 07:07 AM

OUTBOUND DATE 07-17-09 TIME 09:33 AM

LOOP R. 2

75320 1b GR
30340 1b TA
45040 1b NT

DRIVER ON ☒ OFF _____

SHIPPER Aikema

WEIGHER JM

FAIRBANKS SCALE CAT. 16288

WEIGHED ON A FAIRBANKS SCALE

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY Spent CAUSTIC

CARRIER 234

LOOP R 2 ID 0

INBOUND 30340 1b

INBOUND DATE 07-17-09 TIME 07:07 AM

OUTBOUND DATE 07-17-09 TIME 09:33 AM

LOOP R 2

75380 1b GR

30340 1b TA

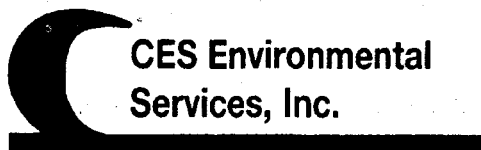
45040 1b NT

DRIVER ON ☒ OFF ☐

SHIPPER Aiken

WEIGHER JM

FAIRBANKS SCALE CAT. 16288



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Inbound Load Report

Job Number : 88871
Type of Material: Caustic

Job Date: 7/17/2009
Bill of Lading #: 88871
Customer: Arkema, Inc. - Houston

Gross Weight: _____
Tare Weight: _____ **OR** **Total Gallons Shipped:** 5159
Net Weight: 45040

Shipping Information

Carrier: CES Environmental Services, Inc.
Truck Number: 281
Trailer Number: 234

CES Laboratory Use Only

Specific Gravity: 1.047
Pounds per Gallon: 8.73
Temperature: _____
Total Gross Gallons: 5159
% Water _____
% Solids 0
Total Net Gallons: 5159
(minus water and solids)

Misc Notes:

% Caustic 5.08

Sample Analyst: _____
(signature)

Sample Analyst: Bo Cumberland

Date: 7/27/2009

Transportation Work Ticket

Folder ID : Arkema (Haden Rd)
Caustic Management

Date : 7/17/2009 Manifest # : _____

Arkema, Inc. - Houston

Client : _____ Ticket : 88871

Phone : 7134506770 Consignee : CES Environmental (Port Arthur)

CES Environmental Services, Inc.

Transporter : _____

Signature Mike Dean Signature Stale

Leave CES Yard :	<u>0700</u>	Arrive At Destination	<u>1225</u>
Arrive At Customer :	<u>0730</u>	Begin Unloading :	<u>1345</u>
Begin Loading :	<u>0830</u>	Finish Unloading :	<u>1415</u>
Finish Loading :	<u>1030</u>	Leave Destination :	<u>1425</u>
Leave Customer :	<u>1100</u>	Arrive At CES Yard :	<u>1700</u>

*3.5h
- 2 free
1.5h
demurrage*

Customer PO #:

Total Hours:
10.0

CES Unload: ☐

Gross Weight : 75380

Ending Odometer : 136941

Tare Weight : 30340

Beginning Odometer : 136754

Net Weight : 45040

Total Miles : 187

Driver : Hickman, Robert

Tractor # : 293

Tote # : _____

Signature : Robert Hickman

Trailer # : 234

Box # : _____

Job Comments/Equipment : _____



**CES Environmental
Services, Inc.**

JOB INFORMATION PROFILE

Folder ID : Arkema (Haden Rd)
Caustic Management

Customer : Arkema, Inc. - Houston

Address : 2231 Haden Road

City,State,Zip : Houston TX , 77015

CES Contact : () -

Driver : Hickman, Robert

Helper :

Date : 7/17/2009

Time : 0600

Truck # 293

Trailer # 234

Job Description :

BE ONSITE AT 8AM!

1. Load caustic as directed
2. Haul load to PACES and check in with lab

you will need the following:

3/4" crows foot on vent line

3" camlock fitting not dry brake

no hoses needed

take the following:

safety glasses

steel-toe boots

FRC's

ID #: 88871

CUSTOMER INFORMATION

OPERATION HOURS:

Open :	
Close:	

SHIPPING/RECEIVING CONTACT:

Name:	Grace Dean
Number:	(713) 450-6746

AFTER HOURS CONTACT:

Name:	Same
Number:	

RECEIVING INFORMATION

OPERATION HOURS:

Open :	
Close:	

SHIPPING/RECEIVING CONTACT:

Name:	PACES
Number:	

AFTER HOURS CONTACT:

Name:	
Number:	

PURCHASE ORDER NUMBER REQUIRED:

☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED:

☒ YES ☐ NO

IF YES, WHAT?

Corrosive

HACSC REQUIRED:

☐ YES ☒ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US :

☐ YES ☒ NO

ROPPER PUMP:

☐ YES ☒ NO

WASHOUT ANTICIPATED:

☐ YES ☒ NO

BOX LINER REQUIRED

☐ YES ☒ NO

LOADING/UNLOADING TRAILER TYPE:

☐ REAR ☐ BELLY
☒ DOES NOT MATTER



**CES Environmental
Services, Inc.**

Invoice

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

copy

Date	Invoice #
7/28/2009	57871

Bill To: Arkema, Inc.
Attn: Accounts Payable
2231 Haden Road
Houston, TX 77015

		P.O. No.	Terms	Project	
		4500394919	Net 30		
Quantity	Description	Manifest #	Rate	Amount	
1	7/16/08 Transportation services by CES @ \$400.00 per load	BOL 88872	400.00	400.00	
0.25	Loading demurrage @ \$70.00 per hour		70.00	17.50	
	13.5% Fuel Surcharge		56.36	56.36	
4,958	Recycling of flammable liquid, corrosive, (sodium hydroxide, carbon disulfide @ \$0.31 per gallon		0.31	1,536.98	
	1% Compliance Fee		20.11	20.11	
	CES Job#88872				
We appreciate your business!		Subtotal		\$2,030.95	
Late Payment Policy: Any unpaid balances beginning on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.		Sales Tax (8.25%)		\$0.00	
		Total		\$2,030.95	



**CES Environmental
Services, Inc.**

Bill Of Lading # :

88872

100 877 /

Folder ID :

**Arkema (Haden Rd)
Caustic Management**

Original - Shipper Provided Short Form Straight Bill of Lading - Not Negotiable - Domestic

SHIPPED FROM :

**Arkema, Inc. - Houston
2231 Haden Road
Houston, TX 77015
(713) 450-6770**

**11a) PA-2602
11b)
11c)
11c)**

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its unusual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

For payment: Charges to be billed to Shipper or the "Billed to" party are set forth in the governing contract with Shipper. No charges other than those contained therein may be billed to Shipper or the "Billed to" party without prior written consent of Shipper. The extra copy of this Bill of Lading, furnished at the time of shipment, must be attached to the freight bill submitted to Shipper or the "Billed to" party and sent to.

CONSIGNEE TO :

**CES Environmental (Port Arthur)
2420 Gulfway Dr.
Port Arthur, TX 77640**

CARRIER :

**CES Environmental Services, Inc. 1230
4904 Griggs Rd.
Houston, TX 77021**

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.549 implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			

Yes 1 TT 43280 P UN 2924, Flammable liquid. Corrosive, n.o.s., 3, PG II

100 877
100 6 63
214

Shipper : Arkema, Inc. - Houston

Per : Wesley Joy

Signature : Wesley Joy

Date : 07-16-09

Carrier : CES Environmental Services, Inc.

Per : Preston Sanders

Signature : Preston Sanders

Date : 07-16-09

Receiving Facility : CES Environmental (Port Arthur)

Per : Johnstone Maleche

Signature : Maleche

Date : 07-16-09

White (Generator Return Copy)

Yellow (Transporter Copy)

Pink (Receiving Facility Copy)

Golden Rod (Generator 1st Copy)

WEIGHED ON A FAIRBANKS SCALE

CUSTOMER'S NAME _____

ADDRESS _____

COMMODITY SPEATcaustic

CARRIER CFS-234

LOOP R 19 ID 0

INBOUND 32720 1b

INBOUND DATE 07-16-09 TIME 07:20 AM

OUTBOUND DATE 07-16-09 TIME 09:39 AM

4555
GS

LOOP R 19

76000 1b GR

32720 1b TA

43280 1b NT

DRIVER ON ☒ OFF ☐

SHIPPER _____

WEIGHER W Joy

FAIRBANKS SCALE CAT. 16288

Inbound Load Report

Job Number : 88872
Type of Material: spent caustic

Job Date: 7/16/2009
Bill of Lading #: 88872
Customer: Arkema, Inc. - Houston

Gross Weight: _____
Tare Weight: _____ **OR** **Total Gallons Shipped:** _____
Net Weight: 43280

Shipping Information

Carrier: CES Environmental (Port Arthur)
Truck Number: _____
Trailer Number: 224

CES Laboratory Use Only

Specific Gravity: 1.047
Pounds per Gallon: 8.73
Temperature: _____
Total Gross Gallons: 4958
% Water _____
% Solids _____
Total Net Gallons: _____
(minus water and solids)

Misc Notes:

Sulfides - 0.653%
Mercaptanes - 1.306%
NaOH - 5.084%
Carbonates - 2.43%

Sample Analyst: _____
(signature)

Sample Analyst: Unassigned

Date: 7/16/2009



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : Arkema (Haden Rd)
Caustic Management

Date : 7/16/2009

Manifest # : _____

Arkema, Inc. - Houston

Client : _____

Ticket : 88872

Phone : 7134506770

CES Environmental (Port Arthur)

CES Environmental Services, Inc.

Consignee : _____

Transporter : _____

Signature Wesley Joy

Signature _____

Leave CES Yard :	<u>705</u>	Arrive At Destination	<u>1230</u>
Arrive At Customer :	<u>800</u>	Begin Unloading :	<u>140</u>
Begin Loading :	<u>904</u>	Finish Unloading :	<u>210</u>
Finish Loading :	<u>1021</u>	Leave Destination :	<u>215</u>
Leave Customer :	<u>1100</u>	Arrive At CES Yard :	<u>415</u>

*2.25
- 2.25 hr
= 2.25 hr
demurrage*

Customer PO # : _____

Total Hours : _____

CES Unload: ☐

Gross Weight :	_____	Ending Odometer :	<u>100877</u>
Tare Weight :	_____	Beginning Odometer :	<u>100663</u>
Net Weight :	<u>43,280</u>	Total Miles :	<u>214</u>

Driver : Candice, Rudy Preston Sanders Tractor # 2285 Tote # : _____
Signature : Preston Sanders Trailer # : 234 Box # : _____

Job Comments/Equipment : _____

White (CES Office)

Yellow (CES Office / Billing)

Pink (CES Office / IFTA)

Golden Rod (Customer)

EPAHO040003162



**CES Environmental
Services, Inc.**

JOB INFORMATION PROFILE

Folder ID : Arkema (Haden Rd)
Caustic Management

Sanders Preston

Customer : Arkema, Inc. - Houston

Driver : ~~C. Sanders~~

Address : 2231 Haden Road

Helper :

City, State, Zip : Houston TX, 77015

Date : 7/16/2009

Time : 0600

CES Contact : () -

Truck # ~~282~~ 295 Trailer # 234

Job Description :

BE ONSITE AT 8AM!

1. Load caustic as directed
2. Haul load to PACES and check in with lab

you will need the following:

3/4" crows foot on vent line

3" camlock fitting not dry brake

no hoses needed

take the following:

safety glasses

steel-toe boots

FRC's

ID #: 88872

CUSTOMER INFORMATION

OPERATION HOURS:

Open :	
Close:	

SHIPPING/RECEIVING CONTACT:

Name:	Grace Dean
Number:	(713) 450-6746

AFTER HOURS CONTACT:

Name:	Same
Number:	

RECEIVING INFORMATION

OPERATION HOURS:

Open :	
Close:	

SHIPPING/RECEIVING CONTACT:

Name:	PACES
Number:	

AFTER HOURS CONTACT:

Name:	
Number:	

PURCHASE ORDER NUMBER REQUIRED:

☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED:

☒ YES ☐ NO

IF YES, WHAT?

Corrosive

HACSC REQUIRED:

☐ YES ☒ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US:

☐ YES ☒ NO

WASHOUT ANTICIPATED:

☐ YES ☒ NO

ROPPER PUMP:

☐ YES ☒ NO

BOX LINER REQUIRED

☐ YES ☒ NO

LOADING/UNLOADING TRAILER TYPE:

☐ REAR ☐ BELLY
☒ DOES NOT MATTER

Material / Product Approval Letter

Date 1/25/2008

Dear **Grace Dean**

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2602

Expiration Date 1/25/2010

Producer: Arkema, Inc.

Address: 2231 Haden Road
Houston, TX 77015

Material / Product Information

Name of Material / Product Recyclable caustic soda

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Scrubber process

Color: Clear dark amber

Odor: strong

pH: 14

Physical State:

Incompatibilities: Reacts violently or explosively with water, acids, and organic materials, carbon monoxide can form upon contact with food or beverage products

Safety Related Data/Special Handling:

Where there is a potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment available. Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Avoid breathing

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

CES Environmental
Services, Inc.4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.comTCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

JB

SECTION 1: Material Producer Information

Company: Arkema Inc.
Address: 2231 Haden Rd.
City, State, Zip: Houston, TX 77015
Contact: Grace Dean Title: _____
Phone No: (713) 450-6746 Fax No: _____
24/hr Phone: (800) 424 9300
U.S. EPA I.D. No: TXD008950461
State I.D. 30503 SIC Code: NA

SECTION 2: Billing Information - ☐ Same as Above

Company: Arkema Inc.
Address: 2231 Haden Rd.
City, State, Zip: Houston, TX 77015
Contact: Brantley Moonyham Title: _____
Phone No: (713) 450-6746 Fax No: _____

SECTION 3: General Description of the Material / ProductName of Material / Product: Recycleable Caustic SodaDetailed Description of Process Generating or Producing the Material / Product: Scrubber process

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Clear dark amberOdor: StrongSpecific Gravity (water=1): 1.090Density: 9.08 lbs/galLayers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: _____ 5000 gal

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 2-3 Other: _____

ProductProper U.S. DOT Shipping Name: UN 2924, Flammable Liquid, Corrosive, n.o.s., 3, PG IIClass: 3 UN/NA: UN 2924 PG: PG II RQ: NaOH 1000#

Flash Point <u>70 F</u> <u>150 f</u>	pH <u>14</u>	N/A	N/A	Solids <u>1%</u>
Oil & Grease <u>0mg/l</u>	TOC <u>15000mg/l</u>	Zinc <u>0mg/l</u>	Copper <u>0mg/l</u>	Nickel <u>0mg/l</u>



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

1 PRODUCT AND COMPANY IDENTIFICATION

Thio and Fine Chemicals

Arkema Inc.
2000 Market Street
Philadelphia, PA 19103

EMERGENCY PHONE NUMBERS:

Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887
Medical: Rocky Mountain Poison Control Center
(866) 767-5089 (24Hrs)

Information Telephone Numbers

Phone Number

Available Hrs

Customer Service

1-800-628-4453

8:30 to 5:30 EST

Product Name Caustic Soda, Shipment Grade
Product Synonym(s)

Chemical Family Alkali
Chemical Formula NaOH
Chemical Name Sodium Hydroxide
EPA Reg Num
Product Use

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS RegistryNumber	Typical %	OSHA
Carbon disulfide	75-15-0	<0.1%	Y
Sodium hydroxide	1310-73-2	10-15%	Y
Water	7732-18-5	85-90%	N

The substance(s) marked with a "Y" in the OSHA column, are identified as hazardous chemicals according to the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200)

This material is classified as hazardous under Federal OSHA regulation.

The components of this product are all on the TSCA Inventory list.

3 HAZARDS IDENTIFICATION

Emergency Overview

Orange slightly turbid liquid with foul odor.

DANGER!

FLAMMABLE LIQUID AND VAPOR.

CAUSES EYE, SKIN AND RESPIRATORY TRACT BURNS. MAY CAUSE BLINDNESS.

CAUSES SEVERE DIGESTIVE TRACT BURNS.

EVEN DILUTE SOLUTIONS MAY CAUSE BURNS.

Potential Health Effects

Inhalation and skin contact are expected to be the primary routes of occupational exposure to this material. This material is a strong alkali that can be destructive to tissue producing severe burns which are not immediately painful or visible. Contact with body tissues may produce deep ulceration, scarring or loss of sight. Concentrations as low as 2-3% can cause injury. Dermatitis (inflammation of the skin) and superficial skin damage can result from repeated or prolonged contact with very dilute solutions. High levels of dust or mist may be corrosive to mucous membranes producing eye or lung injury and chemical pneumonia. Lower concentrations may produce irritation of eyes, nose or upper respiratory tract with coughing, sore throat and shortness of breath. Prolonged exposure may result in ulceration of the nasal passages. If swallowed, this material may cause severe internal injury, characterized by pain in the mouth



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

and stomach, vomiting, and breathing difficulties. Medical conditions which may be aggravated by exposure to this material include lung disease or limited respiratory capacity.

4 FIRST AID MEASURES

IF IN EYES, immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately.

IF ON SKIN, immediately flush with plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Destroy contaminated shoes.

IF SWALLOWED, do NOT induce vomiting. Give water to drink. Get medical attention immediately. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

IF INHALED, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

5 FIRE FIGHTING MEASURES

Fire and Explosive Properties

Auto-Ignition Temperature	NE	
Flash Point	70 F - >150 F	Flash Point Method
Flammable Limits- Upper	NE	
Lower	NE	

Extinguishing Media

Use water spray, carbon dioxide, foam or dry chemical.

Fire Fighting Instructions

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand NIOSH approved or equivalent). Fire fighting equipment should be thoroughly decontaminated after use.

Fire and Explosion Hazards

Contact with metal can form hydrogen gas. Hydrogen is extremely flammable and can form explosive mixtures with air. Closed containers may explode when heated or contents contaminated with water.

6 ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Stop the leak, if possible. Ventilate the space involved. Contain, vacuum up, place in non-sparking container for disposal. Prevent waterway contamination. Construct a dike to prevent spreading. Collect run-off and transfer to drums or tanks for later disposal. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

7 HANDLING AND STORAGE

Handling

Do not get in eyes, on skin or clothing. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. To avoid rapid temperature rise, violent spattering, or explosive eruptions: always add caustic to water when mixing. Never add water to a caustic when mixing. Heat water to 80-100 F before adding product. Add small amounts of product slowly and evenly over surface of water with constant stirring. Never increase concentration of product by more than 5% with any single



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

7 HANDLING AND STORAGE

addition. Water should not exceed 160 F during addition.

Storage

Do NOT store near strong acids.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Investigate engineering techniques to reduce exposures below airborne exposure limits. Provide ventilation if necessary to control exposure levels below airborne exposure limits (see below). If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems. Monitor carbon monoxide and oxygen levels in tanks and enclosed spaces.

Eye / Face Protection

Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment immediately available.

Skin Protection

Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine appropriate type glove material for given application. Wear face shield and chemical resistant clothing such as a rubber apron when splashing may occur. Rinse contaminated skin promptly. Wash contaminated clothing and clean protective equipment before reuse. Wash skin thoroughly after handling.

Respiratory Protection

Avoid breathing vapor or mist. When airborne exposure limits are exceeded (see below), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

Airborne Exposure Guidelines for Ingredients

Exposure Limit		Value
Sodium hydroxide		
ACGIH CEILING	-	2 mg/m3
OSHA TWA PEL	-	2 mg/m3
Carbon disulfide		
ACGIH Skin designator	-	Y
ACGIH TWA	-	1 ppm
OSHA Ceiling PEL	-	30 ppm
OSHA TWA PEL	-	20 ppm

-Only those components with exposure limits are printed in this section.

-Skin contact limits designated with a "Y" above have skin contact effect. Air sampling alone is insufficient to accurately quantitate exposure. Measures to prevent significant cutaneous absorption may be required.

-ACGIH Sensitizer designator with a value of "Y" above means that exposure to this material may cause allergic reactions.

-WEEL-AIHA Sensitizer designator with a value of "Y" above means that exposure to this material may cause allergic skin reactions.



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor	Orange slightly turbid liquid with foul odor.
pH	NE
Specific Gravity	1.073 @ 15 C
Vapor Pressure	30 @ 100 F
Vapor Density	NA
Melting Point	NA
Freezing Point	NE
Boiling Point	NE
Solubility In Water	99.98%

10 STABILITY AND REACTIVITY

Stability

This material is chemically stable under normal and anticipated storage and handling conditions.

Incompatibility

Reacts violently or explosively with water, acids and organic materials such as chlorinated hydrocarbons. Toxic carbon monoxide gas can form upon contact with food or beverage products.

Hazardous Decomposition Products

Will react with some metals such as aluminum, tin or zinc to generate hydrogen gas. Hydrogen gas can result in explosive hazards in confined spaces.

11 TOXICOLOGICAL INFORMATION

Toxicological Information

Data on this material and/or its components are summarized below.

Sodium Hydroxide

Single exposure (acute) studies indicate that this material is slightly toxic if absorbed through the skin (rat LD50 1,350 mg/kg; dry sodium hydroxide) and corrosive to rabbit eyes and skin. Many publications in the scientific literature confirm that this material is corrosive to all tissues. Repeated inhalation resulted in lung damage in rats. No tumors were seen in long-term animal studies. No genetic changes were observed in tests using bacteria.

No significant increases in mortality in relation to duration or intensity of exposures were reported in an epidemiologic study of a small group of workers exposed to caustic dust for 30 years or more. Massive ingestion of this material has been implicated as causing esophageal cancer. Squamous cell carcinomas of the esophagus occurred approximately 12-42 years later in individuals who survived accidental childhood ingestion and are likely due to the tissue destruction and possible scarring of the esophagus rather than a direct effect of this material.

Carbon Disulfide

Single exposure (acute) studies indicate that this material is slightly toxic to rats if swallowed (LD50 3,188 mg/kg) or rabbits if absorbed through skin (LD50 2,025 mg/kg), practically non-toxic to rats if inhaled (1-hr LC50 40 mg/l), and severely irritating to rabbit skin and eyes. The neurological effects of long-term exposure have been documented in occupational populations who were generally exposed to levels of 20 ppm or more in viscose rayon production. Exposed workers have experienced headaches, nausea, dizziness, tiredness, memory loss, sleep disturbances, irritability and other psychological symptoms in the early stages of intoxication. Long-term exposure has resulted in decreased nerve conduction velocities, memory loss,



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

11 TOXICOLOGICAL INFORMATION

peripheral neuropathy (numbness) in the lower legs and forearms, tremors, poor coordination and personality disorders. In addition, several studies have shown adverse effects on the heart including increases in atherosclerosis, death from coronary or ischemic heart disease and blood pressure. Other studies have indicated that long-term overexposure can cause adverse effects on the eyes including increased hemorrhages or microaneurysms of the retina. Studies of occupationally exposed workers have suggested that long-term exposure to higher levels may cause reproductive effects. Male workers had decreased libido, reduced sperm count and altered endocrine function and female workers reported menstrual irregularities. Sperm from exposed workers have shown alterations indicative of spermatogenic damage. There is conflicting evidence whether increased pregnancy complications and a higher frequency of spontaneous abortions are related to exposures in female workers.

Animal studies have confirmed neurological effects. Rats exposed for long periods to high levels showed decreased motor conduction velocity, hindlimb motor defects, peripheral nerve swelling and degeneration. Repeated exposure of monkeys has resulted in reduced visual acuity. Following inhalation exposure in male rats, minor reproductive effects such as decreased sperm counts and abnormal mating behavior, but no pathological changes were noted in testes. A two-generation reproduction study in exposed female rats showed no reduction in fertility, but mothers exposed to high dose levels had reduced pup viability. Multiple developmental toxicity studies in rats and rabbits have presented evidence of increased birth defects and embryotoxicity at high dose levels; however, exposures at levels that are not maternally toxic generally do not cause birth defects, although developmental effects have been observed. No genetic changes were observed in tests using bacteria, but have been observed in animal cells.

12 ECOLOGICAL INFORMATION

Ecotoxicological Information

Data on this material and/or its components are summarized below.

Sodium Hydroxide

Data from several species of fish showed a range of tolerance (brook trout > spotfin and Lake Emerald shiners > minnows > mosquitofish > goldfish) that was most likely related to changes in the pH produced by addition of sodium hydroxide to the water. The minimum lethal concentration for minnows, Mayfly larvae and Daphnia was 100 ppm and for Chironomus larvae, 700 ppm.

Carbon Disulfide

This material is moderately toxic to Daphnia magna (LC50 2.1 mg/l). It is moderately toxic to guppies (LC50 4 mg/l) and slightly toxic to green algae (LC50 21 mg/l). It is practically non-toxic to mosquitofish (LC50 135 mg/l) and bacteria (LC50 341 mg/l).

Chemical Fate Information

Data on this material and/or its components are summarized below.

Sodium Hydroxide

No data were available, but this material is a strong alkali that easily dissolves in water with resulting acid/base chemistry.



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

13 DISPOSAL CONSIDERATIONS

Waste Disposal

Consult with environmental engineer or professional to determine if neutralization is appropriate and for handling procedures for residual materials. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

14 TRANSPORT INFORMATION

DOT Name	Flammable Liquid, Corrosive, NOS
DOT Technical Name	(Sodium Hydroxide; Carbon Disulfide)
DOT Hazard Class	3, 8
UN Number	UN 2924
DOT Packing Group	PG II
RQ	Sodium Hydroxide 1000# (dry basis); Carbon Disulfide 100#
DOT Special Information	Subsidiary hazard: 8 Corrosive On a waste manifest, add the word "Waste"

15 REGULATORY INFORMATION

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370)

Immediate (Acute) Health	Y	Fire	Y
Delayed (Chronic) Health	N	Reactive	N
		Sudden Release of Pressure	N

The components of this product are all on the TSCA Inventory list.

Ingredient Related Regulatory Information:

SARA Reportable Quantities

	CERCLA RQ	SARA TPQ
Sodium hydroxide	1000 LBS	
Water	NE	
Carbon disulfide	100 LBS	10000 LBS

SARA Title III, Section 313

This product does contain chemical(s) which are defined as toxic chemicals under and subject to the reporting requirements of, Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. See Section 2

Carbon disulfide

SARA Title III, Section 302

This product does contain chemical(s), as indicated below, currently on the Extremely Hazardous Substance List, Section 302, SARA Title III. See Section 2 for further details regarding concentrations and registry numbers.

Carbon disulfide

California Prop 65 - Developmental Toxin

This product does contain the following chemical(s), as indicated below, currently on the California List of Developmental Toxins.

Carbon disulfide

Massachusetts Right to Know

This product does contain the following chemical(s), as indicated below, currently on the Massachusetts Right to Know Substance List.



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

Massachusetts Right to Know

This product does contain the following chemical(s), as indicated below, currently on the Massachusetts Right to Know Substance List.

Carbon disulfide
Sodium hydroxide

New Jersey Right to Know

This product does contain the following chemical(s), as indicated below, currently on the New Jersey Right-to-Know Substances List.

Carbon disulfide
Sodium hydroxide

Pennsylvania Environmental Hazard

This product does contain the following chemical(s), as indicated below, currently on the Pennsylvania Environmental Hazard List.

Carbon disulfide
Sodium hydroxide

Pennsylvania Right to Know

This product does contain the following chemical(s), as indicated below, currently on the Pennsylvania Hazardous Substance List.

Carbon disulfide
Sodium hydroxide

16 OTHER INFORMATION

Revision Information

Revision Date 23 FEB 2007 Revision Number 6
Supersedes Revision Dated 07-NOV-2006

Revision Summary

Moved from Retired to Active 03.

Key

NE= Not Established NA= Not Applicable (R) = Registered Trademark

Miscellaneous

NOTE: Toxic carbon monoxide gas can form upon contact with food and beverage products in enclosed spaces and cause death.

Arkema Inc. believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with any other materials or in any process. Further, since the conditions and methods of use are beyond the control of Arkema Inc., Arkema Inc. expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.

TRACK WORK SCHEDULE

Date: 11/5/2007

TRACK #3 (21745)	TRACK #2 (21744)	TRACK #1 (21743)
CAR #	Spot #1 Car # UTLX 901311 Load IP	Spot #1 Car # utlx 901317 unload IP
	NDM 20 MG	ndm
	Lot# Wt.	Lot# Wt.
	Spot #2 Car #	Spot #2 Car # UTLX 901320 load IP
	Lot# Wt.	Lot# Wt.
	Spot #3 Car # GATX 81893	Spot #3 Car # CPCX 206121
	TETRAMER 30 MG	DODECENE 30 MG
	Lot# Wt. 184,954	Lot# Wt. 175,350
	Car #	Spot #4 Car #
	PURGE/REPAIR ONLY	PURGE/REPAIR ONLY
	Lot# Wt.	Lot# Wt.
	Spot #5 Car #	Spot #5 Car #
	PURGE/REPAIR ONLY	PURGE/REPAIR ONLY
	Lot# Wt.	Lot# Wt.
	Spot #6 Car #	Spot #6 Car #
	PURGE ONLY	PURGE ONLY
In plant: Control Room: 713-450-5870 or 713-450-5887		LEAD
EMERGENCY CONTACT:		
James Wheeland - Pager: 888-487-5997 / Cell: 713-304-7037		
Grace Dean - Cell: 713-838-5920		

TRACK WORK SCHEDULE

Date: 11/5/2007

TRACK #3 (21745)	TRACK #2 (21744)	TRACK #1 (21743)
CAR #	Spot #1 Car # UTLX 901311 Load IP	Spot #1 Car # utlx 901317 unload IP
	NDM 20 MG Lot# Wt.	ndm Lot# Wt.
	Spot #2 Car #	Spot #2 Car # UTLX 901320 load IP
	Lot# Wt.	Lot# Wt.
	Spot #3 Car # GATX 81893 TETRAMER 30 MG	Spot #3 Car # CPCX 206121 DODECENE 30 MG
	Lot# Wt. 184,954	Lot# Wt. 175,350
	Car # PURGE/REPAIR ONLY	Spot #4 Car # PURGE/REPAIR ONLY
	Lot# Wt.	Lot# Wt.
	Spot #5 Car # PURGE/REPAIR ONLY	Spot #5 Car # PURGE/REPAIR ONLY
	Lot# Wt.	Lot# Wt.
	Spot #6 Car # PURGE ONLY	Spot #6 Car # PURGE ONLY
In plant: Control Room: 713-450-5870 or 713-450-5887 EMERGENCY CONTACT: James Wheeland - Pager: 888-487-5997 / Cell: 713-304-7037 Grace Dean - Cell: 713-838-5920		LEAD



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

1 PRODUCT AND COMPANY IDENTIFICATION

Thio and Fine Chemicals

Arkema Inc.
2000 Market Street
Philadelphia, PA 19103

EMERGENCY PHONE NUMBERS:

Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887

Medical: Rocky Mountain Poison Control Center
(866) 767-5089 (24Hrs)

Information Telephone Numbers

Phone Number

Available Hrs

Customer Service

1-800-628-4453

8:30 to 5:30 EST

Product Name Caustic Soda, Shipment Grade
Product Synonym(s)

Chemical Family Alkali
Chemical Formula NAOH
Chemical Name Sodium Hydroxide
EPA Reg Num
Product Use

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS RegistryNumber	Typical %	OSHA
Carbon disulfide	75-15-0	<0.1%	Y
Sodium hydroxide	1310-73-2	10-15%	Y
Water	7732-18-5	85-90%	N

The substance(s) marked with a "Y" in the OSHA column, are identified as hazardous chemicals according to the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200)

This material is classified as hazardous under Federal OSHA regulation.

The components of this product are all on the TSCA Inventory list.

3 HAZARDS IDENTIFICATION

Emergency Overview

Orange slightly turbid liquid with foul odor.

DANGER!

FLAMMABLE LIQUID AND VAPOR.

CAUSES EYE, SKIN AND RESPIRATORY TRACT BURNS. MAY CAUSE BLINDNESS.

CAUSES SEVERE DIGESTIVE TRACT BURNS.

EVEN DILUTE SOLUTIONS MAY CAUSE BURNS.

Potential Health Effects

Inhalation and skin contact are expected to be the primary routes of occupational exposure to this material. This material is a strong alkali that can be destructive to tissue producing severe burns which are not immediately painful or visible. Contact with body tissues may produce deep ulceration, scarring or loss of sight. Concentrations as low as 2-3% can cause injury. Dermatitis (inflammation of the skin) and superficial skin damage can result from repeated or prolonged contact with very dilute solutions. High levels of dust or mist may be corrosive to mucous membranes producing eye or lung injury and chemical pneumonia. Lower concentrations may produce irritation of eyes, nose or upper respiratory tract with coughing, sore throat and shortness of breath. Prolonged exposure may result in ulceration of the nasal passages. If swallowed, this material may cause severe internal injury, characterized by pain in the mouth



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

and stomach, vomiting, and breathing difficulties. Medical conditions which may be aggravated by exposure to this material include lung disease or limited respiratory capacity.

4 FIRST AID MEASURES

IF IN EYES, immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately.

IF ON SKIN, immediately flush with plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Destroy contaminated shoes.

IF SWALLOWED, do NOT induce vomiting. Give water to drink. Get medical attention immediately. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

IF INHALED, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

5 FIRE FIGHTING MEASURES

Fire and Explosive Properties

Auto-Ignition Temperature	NE	
Flash Point	70 F - >150 F	Flash Point Method
Flammable Limits- Upper	NE	
Lower	NE	

Extinguishing Media

Use water spray, carbon dioxide, foam or dry chemical.

Fire Fighting Instructions

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand NIOSH approved or equivalent). Fire fighting equipment should be thoroughly decontaminated after use.

Fire and Explosion Hazards

Contact with metal can form hydrogen gas. Hydrogen is extremely flammable and can form explosive mixtures with air. Closed containers may explode when heated or contents contaminated with water.

6 ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Stop the leak, if possible. Ventilate the space involved. Contain, vacuum up, place in non-sparking container for disposal. Prevent waterway contamination. Construct a dike to prevent spreading. Collect run-off and transfer to drums or tanks for later disposal. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

7 HANDLING AND STORAGE

Handling

Do not get in eyes, on skin or clothing. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. To avoid rapid temperature rise, violent spattering, or explosive eruptions: always add caustic to water when mixing. Never add water to a caustic when mixing. Heat water to 80-100 F before adding product. Add small amounts of product slowly and evenly over surface of water with constant stirring. Never increase concentration of product by more than 5% with any single



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

7 HANDLING AND STORAGE

addition. Water should not exceed 160 F during addition.

Storage

Do NOT store near strong acids.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Investigate engineering techniques to reduce exposures below airborne exposure limits. Provide ventilation if necessary to control exposure levels below airborne exposure limits (see below). If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems. Monitor carbon monoxide and oxygen levels in tanks and enclosed spaces.

Eye / Face Protection

Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment immediately available.

Skin Protection

Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine appropriate type glove material for given application. Wear face shield and chemical resistant clothing such as a rubber apron when splashing may occur. Rinse contaminated skin promptly. Wash contaminated clothing and clean protective equipment before reuse. Wash skin thoroughly after handling.

Respiratory Protection

Avoid breathing vapor or mist. When airborne exposure limits are exceeded (see below), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

Airborne Exposure Guidelines for Ingredients

Exposure Limit		Value
Sodium hydroxide		
ACGIH CEILING	-	2 mg/m3
OSHA TWA PEL	-	2 mg/m3
Carbon disulfide		
ACGIH Skin designator	-	Y
ACGIH TWA	-	1 ppm
OSHA Ceiling PEL	-	30 ppm
OSHA TWA PEL	-	20 ppm

-Only those components with exposure limits are printed in this section.

-Skin contact limits designated with a "Y" above have skin contact effect. Air sampling alone is insufficient to accurately quantitate exposure. Measures to prevent significant cutaneous absorption may be required.

-ACGIH Sensitizer designator with a value of "Y" above means that exposure to this material may cause allergic reactions.

-WEEL-AIHA Sensitizer designator with a value of "Y" above means that exposure to this material may cause allergic skin reactions.



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor	Orange slightly turbid liquid with foul odor.
pH	NE
Specific Gravity	1.073 @ 15 C
Vapor Pressure	30 @ 100 F
Vapor Density	NA
Melting Point	NA
Freezing Point	NE
Boiling Point	NE
Solubility In Water	99.98%

10 STABILITY AND REACTIVITY

Stability

This material is chemically stable under normal and anticipated storage and handling conditions.

Incompatibility

Reacts violently or explosively with water, acids and organic materials such as chlorinated hydrocarbons. Toxic carbon monoxide gas can form upon contact with food or beverage products.

Hazardous Decomposition Products

Will react with some metals such as aluminum, tin or zinc to generate hydrogen gas. Hydrogen gas can result in explosive hazards in confined spaces.

11 TOXICOLOGICAL INFORMATION

Toxicological Information

Data on this material and/or its components are summarized below.

Sodium Hydroxide

Single exposure (acute) studies indicate that this material is slightly toxic if absorbed through the skin (rat LD50 1,350 mg/kg; dry sodium hydroxide) and corrosive to rabbit eyes and skin. Many publications in the scientific literature confirm that this material is corrosive to all tissues. Repeated inhalation resulted in lung damage in rats. No tumors were seen in long-term animal studies. No genetic changes were observed in tests using bacteria.

No significant increases in mortality in relation to duration or intensity of exposures were reported in an epidemiologic study of a small group of workers exposed to caustic dust for 30 years or more. Massive ingestion of this material has been implicated as causing esophageal cancer. Squamous cell carcinomas of the esophagus occurred approximately 12-42 years later in individuals who survived accidental childhood ingestion and are likely due to the tissue destruction and possible scarring of the esophagus rather than a direct effect of this material.

Carbon Disulfide

Single exposure (acute) studies indicate that this material is slightly toxic to rats if swallowed (LD50 3,188 mg/kg) or rabbits if absorbed through skin (LD50 2,025 mg/kg), practically non-toxic to rats if inhaled (1-hr LC50 40 mg/l), and severely irritating to rabbit skin and eyes. The neurological effects of long-term exposure have been documented in occupational populations who were generally exposed to levels of 20 ppm or more in viscose rayon production. Exposed workers have experienced headaches, nausea, dizziness, tiredness, memory loss, sleep disturbances, irritability and other psychological symptoms in the early stages of intoxication. Long-term exposure has resulted in decreased nerve conduction velocities, memory loss,



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

11 TOXICOLOGICAL INFORMATION

peripheral neuropathy (numbness) in the lower legs and forearms, tremors, poor coordination and personality disorders. In addition, several studies have shown adverse effects on the heart including increases in atherosclerosis, death from coronary or ischemic heart disease and blood pressure. Other studies have indicated that long-term overexposure can cause adverse effects on the eyes including increased hemorrhages or microaneurysms of the retina. Studies of occupationally exposed workers have suggested that long-term exposure to higher levels may cause reproductive effects. Male workers had decreased libido, reduced sperm count and altered endocrine function and female workers reported menstrual irregularities. Sperm from exposed workers have shown alterations indicative of spermatogenic damage. There is conflicting evidence whether increased pregnancy complications and a higher frequency of spontaneous abortions are related to exposures in female workers.

Animal studies have confirmed neurological effects. Rats exposed for long periods to high levels showed decreased motor conduction velocity, hindlimb motor defects, peripheral nerve swelling and degeneration. Repeated exposure of monkeys has resulted in reduced visual acuity. Following inhalation exposure in male rats, minor reproductive effects such as decreased sperm counts and abnormal mating behavior, but no pathological changes were noted in testes. A two-generation reproduction study in exposed female rats showed no reduction in fertility, but mothers exposed to high dose levels had reduced pup viability. Multiple developmental toxicity studies in rats and rabbits have presented evidence of increased birth defects and embryotoxicity at high dose levels; however, exposures at levels that are not maternally toxic generally do not cause birth defects, although developmental effects have been observed. No genetic changes were observed in tests using bacteria, but have been observed in animal cells.

12 ECOLOGICAL INFORMATION

Ecotoxicological Information

Data on this material and/or its components are summarized below.

Sodium Hydroxide

Data from several species of fish showed a range of tolerance (brook trout > spotfin and Lake Emerald shiners > minnows > mosquitofish > goldfish) that was most likely related to changes in the pH produced by addition of sodium hydroxide to the water. The minimum lethal concentration for minnows, Mayfly larvae and Daphnia was 100 ppm and for Chironomus larvae, 700 ppm.

Carbon Disulfide

This material is moderately toxic to Daphnia magna (LC50 2.1 mg/l). It is moderately toxic to guppies (LC50 4 mg/l) and slightly toxic to green algae (LC50 21 mg/l). It is practically non-toxic to mosquitofish (LC50 135 mg/l) and bacteria (LC50 341 mg/l).

Chemical Fate Information

Data on this material and/or its components are summarized below.

Sodium Hydroxide

No data were available, but this material is a strong alkali that easily dissolves in water with resulting acid/base chemistry.



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

13 DISPOSAL CONSIDERATIONS

Waste Disposal

Consult with environmental engineer or professional to determine if neutralization is appropriate and for handling procedures for residual materials. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

14 TRANSPORT INFORMATION

DOT Name	Flammable Liquid, Corrosive, NOS
DOT Technical Name	(Sodium Hydroxide; Carbon Disulfide)
DOT Hazard Class	3, 8
UN Number	UN 2924
DOT Packing Group	PG II
RQ	Sodium Hydroxide 1000# (dry basis); Carbon Disulfide 100#
DOT Special Information	Subsidiary hazard: 8 Corrosive On a waste manifest, add the word "Waste".

15 REGULATORY INFORMATION

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370)

Immediate (Acute) Health	Y	Fire	Y
Delayed (Chronic) Health	N	Reactive	N
		Sudden Release of Pressure	N

The components of this product are all on the TSCA Inventory list.

Ingredient Related Regulatory Information:

SARA Reportable Quantities

	CERCLA RQ	SARA TPQ
Sodium hydroxide	1000 LBS	
Water	NE	
Carbon disulfide	100 LBS	10000 LBS

SARA Title III, Section 313

This product does contain chemical(s) which are defined as toxic chemicals under and subject to the reporting requirements of, Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. See Section 2

Carbon disulfide

SARA Title III, Section 302

This product does contain chemical(s), as indicated below, currently on the Extremely Hazardous Substance List, Section 302, SARA Title III. See Section 2 for further details regarding concentrations and registry numbers.

Carbon disulfide

California Prop 65 - Developmental Toxin

This product does contain the following chemical(s), as indicated below, currently on the California List of Developmental Toxins.

Carbon disulfide

Massachusetts Right to Know

This product does contain the following chemical(s), as indicated below, currently on the Massachusetts Right to Know Substance List.



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Material Safety Data Sheet

Arkema Inc.

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Sodium hydroxide

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This product does contain the following chemical(s), as indicated below, currently on the New Jersey Right-to-Know Substances List.

Carbon disulfide
Sodium hydroxide

Pennsylvania Environmental Hazard

This product does contain the following chemical(s), as indicated below, currently on the Pennsylvania Environmental Hazard List.

Carbon disulfide
Sodium hydroxide

Pennsylvania Right to Know

This product does contain the following chemical(s), as indicated below, currently on the Pennsylvania Hazardous Substance List.

Carbon disulfide
Sodium hydroxide

16 OTHER INFORMATION

Revision Information

Revision Date 23 FEB 2007
Supersedes Revision Dated 07-NOV-2006

Revision Number 6

Revision Summary

Moved from Retired to Active 03.

Key

NE= Not Established NA= Not Applicable (R) = Registered Trademark

Miscellaneous

NOTE: Toxic carbon monoxide gas can form upon contact with food and beverage products in enclosed spaces and cause death.

Arkema Inc. believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with any other materials or in any process. Further, since the conditions and methods of use are beyond the control of Arkema Inc., Arkema Inc. expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.

Service Agreement: Arkema – Caustic

Dec 2007

Copy

This document confirms the service agreement between CES Environmental Services, Inc. ("Service Provider"), and Arkema Chemicals, Inc., ("Customer"), collectively "Parties". Customer agrees to produce and CES agrees to receive and accept spent caustic from production processes at Customer facility.

- A. **Customer:** Arkema Chemicals, Inc.
2231 Haden Rd.
Houston, Texas 77015
- B. **Service Provider:** CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, Texas 77021
- C. **Effective Date:** The effective date of the agreement is December 15, 2007.
- D. **Term:** The term of this agreement is One (1) year. Upon written agreement of both parties (including e-mail), this agreement may be extended for additional one year terms. After initial term, Parties may re-negotiate pricing with 90 days written notice.
- E. **Scope of Service:** CES will provide transportation & product management of Customer's spent caustic generated from scrubbing carbon disulfide with virgin caustic. Other spent caustic streams generated outside of this process require prior written approval by CES. CES will manage the spent caustic as a product in accordance with RCRA part 261.2(e)(1)(ii). CES will provide the profile, bill of lading, labels, and appropriate shipping documents.
- F. **Use of Product:** The product will be used as a direct substitute for other commercially available products.
- G. **Volume:** The estimated volume of spent caustic incorporated in this agreement is 150,000 gal per year and represents the entire production from Customer's Haden Road location in Houston, Texas.
- H. **Specifications:** See Exhibit A
- I. **Terms of Payment:** Customer agrees to pay CES undisputed services fees within thirty (30) days after the receipt of a valid, complete and properly documented invoice (bill of lading, weight ticket, and other supporting documents on each load).
- J. **Price:**
- 1) Product management fee is \$0.54 per gallon when material is in accordance with specifications in Exhibit A.
-

- 2) **Transportation:** CES will arrange transportation from Customer facility at 2231 Haden Road, Houston, TX 77015. Upon completion of tanker truck unloading into CES designated equipment, title shall pass from Customer to CES. Parties agree to a load/transportation fee of \$400 per load – includes two (2) hours of load time. Additional loading time (demurrage fee) is \$70 per hour.
 - 3) **Load Quantity:** Parties agree to use API gravity adjusted tanker truck weight tickets to determine the quantity of product for each load.
 - 4) **Additional Surcharges:**
 - a. Base management fee includes solids up to 1%. Parties agree that management fee increases \$0.01/gallon per percentage of solids above 1%.
 - b. Transportation pricing is subject to a fuel surcharge based on the current market value of motor fuel. As of the date of this document the fuel surcharge rate is 20%.
- K. **Compliance with Laws:** Parties agree to comply with all requirements of federal, state, and local laws, rules, regulations, and ordinances applicable to the handling, transportation, storage, and end use of the caustic material.
- L. **MSDS:** Customer represents that it has provided or will provide CES with current Material Safety Data Sheets (MSDS), labels, and any updated information for the product in accordance with the applicable requirements of the Occupational Safety and Health Administration (OSHA) at or prior to the time of delivery.
- M. **Force Majeure:** Neither Party is liable in damages or otherwise for failure or delay in performance of any obligation hereunder other than the obligation to make payment, where such failure or delay is caused by Force Majeure, being any event, occurrence or circumstance reasonably beyond the control of that party, including without prejudice to the generality of the foregoing, failure or delay caused by or resulting from Acts of God, strikes or other labor disputes (whether or not either Party is a party thereto or would be able to influence or procure the settlement thereof), fires, floods, wars (whether declared or undeclared), riots, destruction of the oil, delays of carriers due to breakdowns or adverse weather, perils of the seas, embargoes, accidents, disruptions or breakdowns of production, storage, pipeline, transportation or other refinery facilities, installations or machinery repairs, alterations, enlargements, or connections thereto or otherwise, restrictions imposed by any governmental authority (including allocations, priorities, requisitions, quotas, and price controls and environmental restrictions), inability to obtain necessary materials, supplies or permits. Parties agree to a 30-day extension for delivery of product or provision of service if delay is caused by any of the foregoing causes. In the event that delay extends beyond this 30-day period, either party may terminate this contract with written notice to the other Party.
- N. **Indemnification:** Each party shall indemnify and hold the other party and each of its directors, officers, employees and agents free and harmless from all claims, liabilities,

the prior written consent of the other party. Neither party shall disclose any confidential and proprietary data obtained throughout the provision of Services.

R. **Standard Terms and Condition of Service:** See Exhibit B.

S. **Counterparts:** This Agreement may be executed in two or more counterparts; each of which shall be considered an original hereof but which together shall be and constitute one in the same instrument and agreement.

T. **Order of Precedence:** In the event of conflict between agreement documents, Parties agree to the following order of precedence: this document, Exhibit A, Exhibit B.

The parties have executed this Agreement the day and year first above written.

Arkema Chemicals, Inc.

By: Wendell R. Surley

Title: PLANT MANAGER

CES Environmental Services, Inc.

By: Jay Baker

Title: Key Account Manager

EXHIBIT A

SPENT CAUSTIC PRODUCT GENERAL SPECIFICATIONS

Specification	Typical	Min	Max
% NaOH	4%	2%	-
Solids	none	-	1%
Hydrocarbon	none	-	sheen
Potassium	N/A	-	200 ppm
Chloride	N/A	-	5,000 ppm
Total Organic Carbon (TOC)	N/A	-	15,000 ppm
pH	13	12	14

EXHIBIT B

STANDARD TERMS AND CONDITIONS OF SERVICE

1. Service Provider shall give Customer reasonable notice covering shipments and Customer shall not be required to deliver in any month more than the monthly quantity herein specified, or if no monthly quantity is specified, more than the pro rata amount of the maximum quantity provided for. In the event of failure of Service Provider to take the stipulated or minimum pro rata quantity in any month, the deliveries or parts thereof not taken may, at Customer's option, be cancelled or included in subsequent deliveries. Customer shall not be bound to tender delivery of any quantities for which Service Provider has not given shipping instructions. Upon termination or expiration of this contract, Customer may within 30 days ship any previously undelivered quantity hereunder not reduced pursuant to the terms hereof. Upon delivery by Customer of product purchased hereunder to a common carrier or other carrier vehicle ("Delivery"), the Service Provider assumes the entire risk of damage to or loss of any products (shipped under order) from any cause; also the risk of delay in transportation and/or delivery, as well as all other risks of any kind, regardless of the form of bill of lading, and irrespective of i) whether title to such products has passed or ii) the F.O.B. point specified herein.
2. Each delivery shall stand as a separate contract and the failure of any delivery shall not be deemed a breach of the contract as to others.
3. No liability shall result from delay in performance or non performance in whole or in part if performance as agreed as been made impracticable by compliance in good faith with any applicable foreign or domestic governmental regulation or order whether or not it later proves to be invalid, or by the occurrence of a contingency the nonoccurrence of which was a basic assumption on which this contract was made, including, but not limited to acts of God, fire, flood, accident, riot, war, sabotage, strike, labor trouble or shortage, breakdown or failure of equipment or embargo. Customer's i) inability to obtain at prices and on terms deemed by it to be practicable any required raw material, energy source, equipment, labor, or transportation or ii) incurring increased costs for compliance with environmental protection, health or safety regulations shall also be sufficient to relieve Customer of its obligation to perform hereunder. If any such circumstances affect only a part of Customer's capacity to perform, Customer shall have the right to allocate production and deliveries among all of its customers and its own requirements in a manner and at such times as Customer may determine. Quantities affected by this paragraph may, at the option of either party, be eliminated from the contract without liability, but the contract shall remain otherwise unaffected.
4. The prices shall be paid in United States currency. Parties reserves the right, among other remedies, either to cancel this contract or to suspend further activity under it in the event the other Party fails to pay for any one shipment when payment becomes due. Should either Party's financial responsibility become unsatisfactory to the other Party, cash payments or satisfactory security may be required of the Party that fails to meet payment obligations under this agreement. Payment shall be net thirty (30) days from date of invoice.
5. Customer warrants title to the product sold hereunder, that at the time of delivery to a common carrier or other carrier or vehicle for shipment to Service Provider it conforms to Customer's specifications and that the service or use will not infringe the claims of any U.S. patent covering the product itself. Customer does not warrant against infringement which might arise by the use of said product in any combination with other products or arising in the operation of any Service Providers. If the product fails to meet said warranties, Customer shall replace the nonconforming product at no cost to Service Provider. The foregoing is Service Provider's sole and exclusive remedy for failure of Customer to deliver or supply product that meets foregoing warranties.
CUSTOMER MAKES NO OTHER WARRANTY OR ANY KIND EXPRESS OR IMPLIED INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS OF THE PRODUCT FOR ANY PARTICULAR PURPOSE, EVEN IF THAT PURPOSE IS KNOWN TO THE CUSTOMER. ANY APPLICATION INFORMATION OR ASSISTANCE WHICH CUSTOMER MAY FURNISH TO SERVICE PROVIDER IS GRATUITIOUS AND SHALL IN NO WAY BE DEEMED PART OF THE SERVICE OF PRODUCT HEREUNDER OR A WARRANTY OF THE RESULTS OBTAINED THROUGH USE OF SUCH PRODUCT.
6. Customer's liability with respect to this contract and the products purchased under it shall not exceed the purchase price of the portion of such product as to which liability arises and Customer shall not be liable for any injury, loss or damage, resulting from the handling or sue of the product shipped hereunder whether in the manufacturing process or otherwise. In no event shall Customer be liable for special, incidental or consequential damages, including, but not limited to, loss of profits, capital or business opportunity; downtime costs; or claims of customers of Service Provider. Failure to give Customer notice of any claim within 30 days of delivery of the product concerned shall constitute a waiver of such claim by Service Provider. Notwithstanding any applicable statute of limitations to the contrary, any action by Service Provider relating to a claim hereunder must be instituted no later than two (2) years after the occurrence of the event upon which the claim is based. All of the foregoing limitations shall apply irrespective of whether Service Provider's claims based upon breach of contract, breach of warranty, negligence, strict liability, or any other legal theory.
7. Service Provider agrees to indemnify, defend and hold Customer harmless from and against that portion of any liability, cost, expense (including reasonable attorneys' fees), claim, judgment, settlement or damage that Customer may incur or be required to pay to any third party (including, but not limited to, any employee of Service Provider who alleges or proves that he or she has been injured in the course of his or her employment while working with the products supplied by the Customer under this agreement), which is caused or contributed to by the negligence or fault of Service Provider. In case the Service Provider resells the products supplied by the Customer under this agreement, Service Provider will request and use reasonable efforts to obtain from its purchaser an indemnification similar to the foregoing for the benefit of Service Provider and Customer.
8. Liability for all taxes, excises or other charges, imposed by any local, state or federal authority, which have to do with or affect the goods herein ordered (except those based on the income of Customer), shall be assumed and paid by Service Provider. Service Provider further agrees to indemnify and protect Customer against any and all such liabilities for taxes as well as any legal fees or costs incurred by Customer in connection therewith.
9. Customer's measurements shall govern, except in case of proven error.
10. This agreement constitutes the entire contract of service and purchase of the product herein named. It is not assignable by Service Provider without the written consent of Customer. No modification of this contract shall be of any force or effect unless in writing signed by the parties and no modification shall be effected by the acknowledgement or acceptance of purchase order forms containing different terms or conditions. If any provision of the contract is or becomes violative of any laws, or rule, order or regulation issued thereunder, Customer shall have the right, upon notice to Service Provider, to cancel such provision, without affecting the other provisions of this contract, or to cancel this contract in its entirety.
11. Upon delivery, Service Provider assumes full responsibility and liability for compliance with federal, state, and local regulations governing unloading, discharge, storage, handling and use of the product supplied by Customer under this contract.
12. Returnable containers although loaned to Service Provider, remain the property of Customer and will be returned to Customer in good condition, f.o.b. Customer's shipping point, unless otherwise specified, within ninety (90) days from the date of shipment. When returnable containers are billed on the invoice, Service Provider agrees pay such deposit upon receipt of containers in good condition within ninety (90) days from the date of shipment. When containers are billed on memorandum charge, Service Provider agrees to reimburse Customer immediately at Customer's current deposit charge if containers are lost, damaged, or not returned within ninety (90) days of shipment. The phrase "returnable containers" as used in this paragraph does not include rail tank cars, the rental of which is governed by Customer's standard form of Tank Car Lease and Customer's current Tank Car Leasing policy.
13. Waiver by Customer of any breach of these conditions shall not be construed as a waiver of any other breach.
14. This contract shall be governed by and construed in accordance with the laws of the commonwealth of Pennsylvania. Any lawsuit brought by Service Provider arising out of the transactions covered hereunder shall be instituted in the appropriate state or federal court located in Philadelphia County, Pennsylvania and Service Provider further submits itself to the jurisdiction of said courts in the event Customer elects to institute any action in said courts.
15. All management of products are limited to and made expressly conditional on Service Provider's acceptance of the foregoing terms and conditions. Customer expressly objects to and rejects any terms and conditions that may be proposed by Service Provider which are in addition to or differ from the foregoing terms and condition.



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

1. PRODUCT AND COMPANY IDENTIFICATION

Thio and Fine Chemicals

Arkema Inc.
2000 Market Street
Philadelphia, PA 19103

EMERGENCY PHONE NUMBERS:

Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887
Medical: Rocky Mountain Poison Control Center
(866) 767-5089 (24Hrs)

Information Telephone Numbers

Phone Number

Available Hrs

Customer Service

1-800-628-4453

8:30 to 5:30 EST

Product Name Caustic Soda, Shipment Grade

Product Synonym(s)

Chemical Family Alkali

Chemical Formula NAOH

Chemical Name Sodium Hydroxide

EPA Reg Num

Product Use

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS RegistryNumber	Typical %	OSHA
Carbon disulfide	75-15-0	<0.1%	Y
Sodium hydroxide	1310-73-2	10-15%	Y
Water	7732-18-5	85-90%	N

The substance(s) marked with a "Y" in the OSHA column, are identified as hazardous chemicals according to the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200)

This material is classified as hazardous under Federal OSHA regulation.

The components of this product are all on the TSCA Inventory list.

3 HAZARDS IDENTIFICATION

Emergency Overview

Orange slightly turbid liquid with foul odor.

DANGER!

FLAMMABLE LIQUID AND VAPOR.

CAUSES EYE, SKIN AND RESPIRATORY TRACT BURNS. MAY CAUSE BLINDNESS.

CAUSES SEVERE DIGESTIVE TRACT BURNS.

EVEN DILUTE SOLUTIONS MAY CAUSE BURNS.

Potential Health Effects

Inhalation and skin contact are expected to be the primary routes of occupational exposure to this material. This material is a strong alkali that can be destructive to tissue producing severe burns which are not immediately painful or visible. Contact with body tissues may produce deep ulceration, scarring or loss of sight. Concentrations as low as 2-3% can cause injury. Dermatitis (inflammation of the skin) and superficial skin damage can result from repeated or prolonged contact with very dilute solutions. High levels of dust or mist may be corrosive to mucous membranes producing eye or lung injury and chemical pneumonia. Lower concentrations may produce irritation of eyes, nose or upper respiratory tract with coughing, sore throat and shortness of breath. Prolonged exposure may result in ulceration of the nasal passages. If swallowed, this material may cause severe internal injury, characterized by pain in the mouth.



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

and stomach, vomiting, and breathing difficulties. Medical conditions which may be aggravated by exposure to this material include lung disease or limited respiratory capacity.

4 FIRST AID MEASURES

IF IN EYES, immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately.

IF ON SKIN, immediately flush with plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Destroy contaminated shoes.

IF SWALLOWED, do NOT induce vomiting. Give water to drink. Get medical attention immediately. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

IF INHALED, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

5 FIRE FIGHTING MEASURES

Fire and Explosive Properties

Auto-Ignition Temperature	NE	
Flash Point	70 F - >150 F	Flash Point Method
Flammable Limits- Upper	NE	
Lower	NE	

Extinguishing Media

Use water spray, carbon dioxide, foam or dry chemical.

Fire Fighting Instructions

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand NIOSH approved or equivalent). Fire fighting equipment should be thoroughly decontaminated after use.

Fire and Explosion Hazards

Contact with metal can form hydrogen gas. Hydrogen is extremely flammable and can form explosive mixtures with air. Closed containers may explode when heated or contents contaminated with water.

6 ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Stop the leak, if possible. Ventilate the space involved. Contain, vacuum up, place in non-sparking container for disposal. Prevent waterway contamination. Construct a dike to prevent spreading. Collect run-off and transfer to drums or tanks for later disposal. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

7 HANDLING AND STORAGE

Handling

Do not get in eyes, on skin or clothing. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. To avoid rapid temperature rise, violent spattering, or explosive eruptions: always add caustic to water when mixing. Never add water to a caustic when mixing. Heat water to 80-100 F before adding product. Add small amounts of product slowly and evenly over surface of water with constant stirring. Never increase concentration of product by more than 5% with any single



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

7 HANDLING AND STORAGE

addition. Water should not exceed 160 F during addition.

Storage

Do NOT store near strong acids.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Investigate engineering techniques to reduce exposures below airborne exposure limits. Provide ventilation if necessary to control exposure levels below airborne exposure limits (see below). If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems. Monitor carbon monoxide and oxygen levels in tanks and enclosed spaces.

Eye / Face Protection

Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment immediately available.

Skin Protection

Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine appropriate type glove material for given application. Wear face shield and chemical resistant clothing such as a rubber apron when splashing may occur. Rinse contaminated skin promptly. Wash contaminated clothing and clean protective equipment before reuse. Wash skin thoroughly after handling.

Respiratory Protection

Avoid breathing vapor or mist. When airborne exposure limits are exceeded (see below), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

Airborne Exposure Guidelines for Ingredients

Exposure Limit		Value
Sodium hydroxide		
ACGIH CEILING	-	2 mg/m ³
OSHA TWA PEL	-	2 mg/m ³
Carbon disulfide		
ACGIH Skin designator	-	Y
ACGIH TWA	-	1 ppm
OSHA Ceiling PEL	-	30 ppm
OSHA TWA PEL	-	20 ppm

-Only those components with exposure limits are printed in this section.

-Skin contact limits designated with a "Y" above have skin contact effect. Air sampling alone is insufficient to accurately quantitate exposure. Measures to prevent significant cutaneous absorption may be required.

-ACGIH Sensitizer designator with a value of "Y" above means that exposure to this material may cause allergic reactions.

-WEEL-AIHA Sensitizer designator with a value of "Y" above means that exposure to this material may cause allergic skin reactions.



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor	Orange slightly turbid liquid with foul odor.
pH	NE
Specific Gravity	1.073 @ 15 C
Vapor Pressure	30 @ 100 F
Vapor Density	NA
Melting Point	NA
Freezing Point	NE
Boiling Point	NE
Solubility In Water	99.98%

10 STABILITY AND REACTIVITY

Stability

This material is chemically stable under normal and anticipated storage and handling conditions.

Incompatibility

Reacts violently or explosively with water, acids and organic materials such as chlorinated hydrocarbons. Toxic carbon monoxide gas can form upon contact with food or beverage products.

Hazardous Decomposition Products

Will react with some metals such as aluminum, tin or zinc to generate hydrogen gas. Hydrogen gas can result in explosive hazards in confined spaces.

11 TOXICOLOGICAL INFORMATION

Toxicological Information

Data on this material and/or its components are summarized below.

Sodium Hydroxide

Single exposure (acute) studies indicate that this material is slightly toxic if absorbed through the skin (rat LD50 1,350 mg/kg; dry sodium hydroxide) and corrosive to rabbit eyes and skin. Many publications in the scientific literature confirm that this material is corrosive to all tissues. Repeated inhalation resulted in lung damage in rats. No tumors were seen in long-term animal studies. No genetic changes were observed in tests using bacteria.

No significant increases in mortality in relation to duration or intensity of exposures were reported in an epidemiologic study of a small group of workers exposed to caustic dust for 30 years or more. Massive ingestion of this material has been implicated as causing esophageal cancer. Squamous cell carcinomas of the esophagus occurred approximately 12-42 years later in individuals who survived accidental childhood ingestion and are likely due to the tissue destruction and possible scarring of the esophagus rather than a direct effect of this material.

Carbon Disulfide

Single exposure (acute) studies indicate that this material is slightly toxic to rats if swallowed (LD50 3,188 mg/kg) or rabbits if absorbed through skin (LD50 2,025 mg/kg), practically non-toxic to rats if inhaled (1-hr LC50 40 mg/l), and severely irritating to rabbit skin and eyes. The neurological effects of long-term exposure have been documented in occupational populations who were generally exposed to levels of 20 ppm or more in viscose rayon production. Exposed workers have experienced headaches, nausea, dizziness, tiredness, memory loss, sleep disturbances, irritability and other psychological symptoms in the early stages of intoxication. Long-term exposure has resulted in decreased nerve conduction velocities, memory loss,

**11 TOXICOLOGICAL INFORMATION**

peripheral neuropathy (numbness) in the lower legs and forearms, tremors, poor coordination and personality disorders. In addition, several studies have shown adverse effects on the heart including increases in atherosclerosis, death from coronary or ischemic heart disease and blood pressure. Other studies have indicated that long-term overexposure can cause adverse effects on the eyes including increased hemorrhages or microaneurysms of the retina. Studies of occupationally exposed workers have suggested that long-term exposure to higher levels may cause reproductive effects. Male workers had decreased libido, reduced sperm count and altered endocrine function and female workers reported menstrual irregularities. Sperm from exposed workers have shown alterations indicative of spermatogenic damage. There is conflicting evidence whether increased pregnancy complications and a higher frequency of spontaneous abortions are related to exposures in female workers.

Animal studies have confirmed neurological effects. Rats exposed for long periods to high levels showed decreased motor conduction velocity, hindlimb motor defects, peripheral nerve swelling and degeneration. Repeated exposure of monkeys has resulted in reduced visual acuity. Following inhalation exposure in male rats, minor reproductive effects such as decreased sperm counts and abnormal mating behavior, but no pathological changes were noted in testes. A two-generation reproduction study in exposed female rats showed no reduction in fertility, but mothers exposed to high dose levels had reduced pup viability. Multiple developmental toxicity studies in rats and rabbits have presented evidence of increased birth defects and embryotoxicity at high dose levels; however, exposures at levels that are not maternally toxic generally do not cause birth defects, although developmental effects have been observed. No genetic changes were observed in tests using bacteria, but have been observed in animal cells.

12 ECOLOGICAL INFORMATION**Ecotoxicological Information**

Data on this material and/or its components are summarized below.

Sodium Hydroxide

Data from several species of fish showed a range of tolerance (brook trout > spotfin and Lake Emerald shiners > minnows > mosquitofish > goldfish) that was most likely related to changes in the pH produced by addition of sodium hydroxide to the water. The minimum lethal concentration for minnows, Mayfly larvae and Daphnia was 100 ppm and for Chironomus larvae, 700 ppm.

Carbon Disulfide

This material is moderately toxic to Daphnia magna (LC50 2.1 mg/l). It is moderately toxic to guppies (LC50 4 mg/l) and slightly toxic to green algae (LC50 21 mg/l). It is practically non-toxic to mosquitofish (LC50 135 mg/l) and bacteria (LC50 341 mg/l).

Chemical Fate Information

Data on this material and/or its components are summarized below.

Sodium Hydroxide

No data were available, but this material is a strong alkali that easily dissolves in water with resulting acid/base chemistry.



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

13 DISPOSAL CONSIDERATIONS

Waste Disposal

Consult with environmental engineer or professional to determine if neutralization is appropriate and for handling procedures for residual materials. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

14 TRANSPORT INFORMATION

DOT Name	Flammable Liquid, Corrosive, NOS
DOT Technical Name	(Sodium Hydroxide; Carbon Disulfide)
DOT Hazard Class	3, 8
UN Number	UN 2924
DOT Packing Group	PG II
RQ	Sodium Hydroxide 1000# (dry basis); Carbon Disulfide 100#
DOT Special Information	Subsidiary hazard: 8 Corrosive On a waste manifest, add the word "Waste"

15 REGULATORY INFORMATION

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370)

Immediate (Acute) Health	Y	Fire	Y
Delayed (Chronic) Health	N	Reactive	N
		Sudden Release of Pressure	N

The components of this product are all on the TSCA Inventory list.

Ingredient Related Regulatory Information:

SARA Reportable Quantities

	CERCLA RQ	SARA TPQ
Sodium hydroxide	1000 LBS	
Water	NE	
Carbon disulfide	100 LBS	10000 LBS

SARA Title III, Section 313

This product does contain chemical(s) which are defined as toxic chemicals under and subject to the reporting requirements of, Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. See Section 2

Carbon disulfide

SARA Title III, Section 302

This product does contain chemical(s), as indicated below, currently on the Extremely Hazardous Substance List, Section 302, SARA Title III. See Section 2 for further details regarding concentrations and registry numbers.

Carbon disulfide

California Prop 65 - Developmental Toxin

This product does contain the following chemical(s), as indicated below, currently on the California List of Developmental Toxins.

Carbon disulfide

Massachusetts Right to Know

This product does contain the following chemical(s), as indicated below, currently on the Massachusetts Right to Know Substance List.



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

Massachusetts Right to Know

This product does contain the following chemical(s), as indicated below, currently on the Massachusetts Right to Know Substance List.

Carbon disulfide
Sodium hydroxide

New Jersey Right to Know

This product does contain the following chemical(s), as indicated below, currently on the New Jersey Right-to-Know Substances List.

Carbon disulfide
Sodium hydroxide

Pennsylvania Environmental Hazard

This product does contain the following chemical(s), as indicated below, currently on the Pennsylvania Environmental Hazard List.

Carbon disulfide
Sodium hydroxide

Pennsylvania Right to Know

This product does contain the following chemical(s), as indicated below, currently on the Pennsylvania Hazardous Substance List.

Carbon disulfide
Sodium hydroxide

16 OTHER INFORMATION

Revision Information

Revision Date 23 FEB 2007
Supersedes Revision Dated 07-NOV-2006

Revision Number 6

Revision Summary

Moved from Retired to Active 03.

Key

NE= Not Established NA= Not Applicable (R) = Registered Trademark

Miscellaneous

NOTE: Toxic carbon monoxide gas can form upon contact with food and beverage products in enclosed spaces and cause death.

Arkema Inc. believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with any other materials or in any process. Further, since the conditions and methods of use are beyond the control of Arkema Inc., Arkema Inc. expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

1 PRODUCT AND COMPANY IDENTIFICATION

Thio and Fine Chemicals

Arkema Inc.
2000 Market Street
Philadelphia, PA 19103

EMERGENCY PHONE NUMBERS:

Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887
Medical: Rocky Mountain Poison Control Center
(866) 767-5089 (24Hrs)

Information Telephone Numbers

Phone Number

Available Hrs

Customer Service

1-800-628-4453

8:30 to 5:30 EST

Product Name Caustic Soda, Shipment Grade

Product Synonym(s)

Chemical Family Alkali

Chemical Formula NAOH

Chemical Name Sodium Hydroxide

EPA Reg Num

Product Use

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS RegistryNumber	Typical %	OSHA
Carbon disulfide	75-15-0	<0.1%	Y
Sodium hydroxide	1310-73-2	10-15%	Y
Water	7732-18-5	85-90%	N

The substance(s) marked with a "Y" in the OSHA column, are identified as hazardous chemicals according to the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200)

This material is classified as hazardous under Federal OSHA regulation.

The components of this product are all on the TSCA Inventory list.

3 HAZARDS IDENTIFICATION

Emergency Overview

Orange slightly turbid liquid with foul odor.

DANGER!

FLAMMABLE LIQUID AND VAPOR.

CAUSES EYE, SKIN AND RESPIRATORY TRACT BURNS. MAY CAUSE BLINDNESS.

CAUSES SEVERE DIGESTIVE TRACT BURNS.

EVEN DILUTE SOLUTIONS MAY CAUSE BURNS.

Potential Health Effects

Inhalation and skin contact are expected to be the primary routes of occupational exposure to this material. This material is a strong alkali that can be destructive to tissue producing severe burns which are not immediately painful or visible. Contact with body tissues may produce deep ulceration, scarring or loss of sight. Concentrations as low as 2-3% can cause injury. Dermatitis (inflammation of the skin) and superficial skin damage can result from repeated or prolonged contact with very dilute solutions. High levels of dust or mist may be corrosive to mucous membranes producing eye or lung injury and chemical pneumonia. Lower concentrations may produce irritation of eyes, nose or upper respiratory tract with coughing, sore throat and shortness of breath. Prolonged exposure may result in ulceration of the nasal passages. If swallowed, this material may cause severe internal injury, characterized by pain in the mouth



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

and stomach, vomiting, and breathing difficulties. Medical conditions which may be aggravated by exposure to this material include lung disease or limited respiratory capacity.

4 FIRST AID MEASURES

IF IN EYES, immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately.

IF ON SKIN, immediately flush with plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Destroy contaminated shoes.

IF SWALLOWED, do NOT induce vomiting. Give water to drink. Get medical attention immediately. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

IF INHALED, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

5 FIRE FIGHTING MEASURES

Fire and Explosive Properties

Auto-Ignition Temperature	NE	
Flash Point	70 F - >150 F	Flash Point Method
Flammable Limits- Upper	NE	
Lower	NE	

Extinguishing Media

Use water spray, carbon dioxide, foam or dry chemical.

Fire Fighting Instructions

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand NIOSH approved or equivalent). Fire fighting equipment should be thoroughly decontaminated after use.

Fire and Explosion Hazards

Contact with metal can form hydrogen gas. Hydrogen is extremely flammable and can form explosive mixtures with air. Closed containers may explode when heated or contents contaminated with water.

6 ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Stop the leak, if possible. Ventilate the space involved. Contain, vacuum up, place in non-sparking container for disposal. Prevent waterway contamination. Construct a dike to prevent spreading. Collect run-off and transfer to drums or tanks for later disposal. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

7 HANDLING AND STORAGE

Handling

Do not get in eyes, on skin or clothing. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. To avoid rapid temperature rise, violent spattering, or explosive eruptions: always add caustic to water when mixing. Never add water to a caustic when mixing. Heat water to 80-100 F before adding product. Add small amounts of product slowly and evenly over surface of water with constant stirring. Never increase concentration of product by more than 5% with any single



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

7 HANDLING AND STORAGE

addition. Water should not exceed 160 F during addition.

Storage

Do NOT store near strong acids.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Investigate engineering techniques to reduce exposures below airborne exposure limits. Provide ventilation if necessary to control exposure levels below airborne exposure limits (see below). If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems. Monitor carbon monoxide and oxygen levels in tanks and enclosed spaces.

Eye / Face Protection

Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment immediately available.

Skin Protection

Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine appropriate type glove material for given application. Wear face shield and chemical resistant clothing such as a rubber apron when splashing may occur. Rinse contaminated skin promptly. Wash contaminated clothing and clean protective equipment before reuse. Wash skin thoroughly after handling.

Respiratory Protection

Avoid breathing vapor or mist. When airborne exposure limits are exceeded (see below), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

Airborne Exposure Guidelines for Ingredients

Exposure Limit		Value
Sodium hydroxide		
ACGIH CEILING	-	2 mg/m3
OSHA TWA PEL	-	2 mg/m3
Carbon disulfide		
ACGIH Skin designator	-	Y
ACGIH TWA	-	1 ppm
OSHA Ceiling PEL	-	30 ppm
OSHA TWA PEL	-	20 ppm

-Only those components with exposure limits are printed in this section.

-Skin contact limits designated with a "Y" above have skin contact effect. Air sampling alone is insufficient to accurately quantitate exposure. Measures to prevent significant cutaneous absorption may be required.

-ACGIH Sensitizer designator with a value of "Y" above means that exposure to this material may cause allergic reactions.

-WEEL-AIHA Sensitizer designator with a value of "Y" above means that exposure to this material may cause allergic skin reactions.



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor	Orange slightly turbid liquid with foul odor.
pH	NE
Specific Gravity	1.073 @ 15 C
Vapor Pressure	30 @ 100 F
Vapor Density	NA
Melting Point	NA
Freezing Point	NE
Boiling Point	NE
Solubility In Water	99.98%

10 STABILITY AND REACTIVITY

Stability

This material is chemically stable under normal and anticipated storage and handling conditions.

Incompatibility

Reacts violently or explosively with water, acids and organic materials such as chlorinated hydrocarbons. Toxic carbon monoxide gas can form upon contact with food or beverage products.

Hazardous Decomposition Products

Will react with some metals such as aluminum, tin or zinc to generate hydrogen gas. Hydrogen gas can result in explosive hazards in confined spaces.

11 TOXICOLOGICAL INFORMATION

Toxicological Information

Data on this material and/or its components are summarized below.

Sodium Hydroxide

Single exposure (acute) studies indicate that this material is slightly toxic if absorbed through the skin (rat LD50 1,350 mg/kg; dry sodium hydroxide) and corrosive to rabbit eyes and skin. Many publications in the scientific literature confirm that this material is corrosive to all tissues. Repeated inhalation resulted in lung damage in rats. No tumors were seen in long-term animal studies. No genetic changes were observed in tests using bacteria.

No significant increases in mortality in relation to duration or intensity of exposures were reported in an epidemiologic study of a small group of workers exposed to caustic dust for 30 years or more. Massive ingestion of this material has been implicated as causing esophageal cancer. Squamous cell carcinomas of the esophagus occurred approximately 12-42 years later in individuals who survived accidental childhood ingestion and are likely due to the tissue destruction and possible scarring of the esophagus rather than a direct effect of this material.

Carbon Disulfide

Single exposure (acute) studies indicate that this material is slightly toxic to rats if swallowed (LD50 3,188 mg/kg) or rabbits if absorbed through skin (LD50 2,025 mg/kg), practically non-toxic to rats if inhaled (1-hr LC50 40 mg/l), and severely irritating to rabbit skin and eyes. The neurological effects of long-term exposure have been documented in occupational populations who were generally exposed to levels of 20 ppm or more in viscose rayon production. Exposed workers have experienced headaches, nausea, dizziness, tiredness, memory loss, sleep disturbances, irritability and other psychological symptoms in the early stages of intoxication. Long-term exposure has resulted in decreased nerve conduction velocities, memory loss,

**11 TOXICOLOGICAL INFORMATION**

peripheral neuropathy (numbness) in the lower legs and forearms, tremors, poor coordination and personality disorders. In addition, several studies have shown adverse effects on the heart including increases in atherosclerosis, death from coronary or ischemic heart disease and blood pressure. Other studies have indicated that long-term overexposure can cause adverse effects on the eyes including increased hemorrhages or microaneurysms of the retina. Studies of occupationally exposed workers have suggested that long-term exposure to higher levels may cause reproductive effects. Male workers had decreased libido, reduced sperm count and altered endocrine function and female workers reported menstrual irregularities. Sperm from exposed workers have shown alterations indicative of spermatogenic damage. There is conflicting evidence whether increased pregnancy complications and a higher frequency of spontaneous abortions are related to exposures in female workers.

Animal studies have confirmed neurological effects. Rats exposed for long periods to high levels showed decreased motor conduction velocity, hindlimb motor defects, peripheral nerve swelling and degeneration. Repeated exposure of monkeys has resulted in reduced visual acuity. Following inhalation exposure in male rats, minor reproductive effects such as decreased sperm counts and abnormal mating behavior, but no pathological changes were noted in testes. A two-generation reproduction study in exposed female rats showed no reduction in fertility, but mothers exposed to high dose levels had reduced pup viability. Multiple developmental toxicity studies in rats and rabbits have presented evidence of increased birth defects and embryotoxicity at high dose levels; however, exposures at levels that are not maternally toxic generally do not cause birth defects, although developmental effects have been observed. No genetic changes were observed in tests using bacteria, but have been observed in animal cells.

12 ECOLOGICAL INFORMATION**Ecotoxicological Information**

Data on this material and/or its components are summarized below.

Sodium Hydroxide

Data from several species of fish showed a range of tolerance (brook trout > spotfin and Lake Emerald shiners > minnows > mosquitofish > goldfish) that was most likely related to changes in the pH produced by addition of sodium hydroxide to the water. The minimum lethal concentration for minnows, Mayfly larvae and Daphnia was 100 ppm and for Chironomus larvae, 700 ppm.

Carbon Disulfide

This material is moderately toxic to Daphnia magna (LC50 2.1 mg/l). It is moderately toxic to guppies (LC50 4 mg/l) and slightly toxic to green algae (LC50 21 mg/l). It is practically non-toxic to mosquitofish (LC50 135 mg/l) and bacteria (LC50 341 mg/l).

Chemical Fate Information

Data on this material and/or its components are summarized below.

Sodium Hydroxide

No data were available, but this material is a strong alkali that easily dissolves in water with resulting acid/base chemistry.



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

13 DISPOSAL CONSIDERATIONS

Waste Disposal

Consult with environmental engineer or professional to determine if neutralization is appropriate and for handling procedures for residual materials. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

14 TRANSPORT INFORMATION

DOT Name	Flammable Liquid, Corrosive, NOS
DOT Technical Name	(Sodium Hydroxide; Carbon Disulfide)
DOT Hazard Class	3, 8
UN Number	UN 2924
DOT Packing Group	PG II
RQ	Sodium Hydroxide 1000# (dry basis); Carbon Disulfide 100#
DOT Special Information	Subsidiary hazard: 8 Corrosive On a waste manifest, add the word "Waste"

15 REGULATORY INFORMATION

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370)

Immediate (Acute) Health	Y	Fire	Y
Delayed (Chronic) Health	N	Reactive	N
		Sudden Release of Pressure	N

The components of this product are all on the TSCA Inventory list.

Ingredient Related Regulatory Information:

SARA Reportable Quantities

	CERCLA RQ	SARA TPQ
Sodium hydroxide	1000 LBS	
Water	NE	
Carbon disulfide	100 LBS	10000 LBS

SARA Title III, Section 313

This product does contain chemical(s) which are defined as toxic chemicals under and subject to the reporting requirements of, Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. See Section 2

Carbon disulfide

SARA Title III, Section 302

This product does contain chemical(s), as indicated below, currently on the Extremely Hazardous Substance List, Section 302, SARA Title III. See Section 2 for further details regarding concentrations and registry numbers.

Carbon disulfide

California Prop 65 - Developmental Toxin

This product does contain the following chemical(s), as indicated below, currently on the California List of Developmental Toxins.

Carbon disulfide

Massachusetts Right to Know

This product does contain the following chemical(s), as indicated below, currently on the Massachusetts Right to Know Substance List.



Caustic Soda, Shipment Grade

Material Safety Data Sheet

Arkema Inc.

Massachusetts Right to Know

This product does contain the following chemical(s), as indicated below, currently on the Massachusetts Right to Know Substance List.

Carbon disulfide
Sodium hydroxide

New Jersey Right to Know

This product does contain the following chemical(s), as indicated below, currently on the New Jersey Right-to-Know Substances List.

Carbon disulfide
Sodium hydroxide

Pennsylvania Environmental Hazard

This product does contain the following chemical(s), as indicated below, currently on the Pennsylvania Environmental Hazard List.

Carbon disulfide
Sodium hydroxide

Pennsylvania Right to Know

This product does contain the following chemical(s), as indicated below, currently on the Pennsylvania Hazardous Substance List.

Carbon disulfide
Sodium hydroxide

16 OTHER INFORMATION

Revision Information

Revision Date 23 FEB 2007
Supersedes Revision Dated 07-NOV-2006

Revision Number 6

Revision Summary

Moved from Retired to Active 03.

Key

NE= Not Established NA= Not Applicable (R) = Registered Trademark

Miscellaneous

NOTE: Toxic carbon monoxide gas can form upon contact with food and beverage products in enclosed spaces and cause death.

Arkema Inc. believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with any other materials or in any process. Further, since the conditions and methods of use are beyond the control of Arkema Inc., Arkema Inc. expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.

(b) (6)



After chemical Corp (Aften-Pore
Arsenic)
Production Waste



Office
DEPOT.

direct

JB

Customer Special Requests/Requirements

P.O. Required:

☐

Y

☒

N

Fuel Surcharge:

☒

Y

☐

N

4% City of Houston Fee:

☐

Y

☒

N

4-hr Minimum:

☒

Y

☐

N

Job Estimate

Item	CES Cost	Customer Charge
TRANS-CES 5.75 hr		431.25
9.5% Fsc		40.97
Disposal-CES 5596900 Absorbent 2 TP		350.00
Recycle-CES BDL 86678 mixed solvent 4 dm		140.00
Sale of cy Sacks 2	40.00	70.00 T
Sales Tax	5.78	5.78
1% compliance	10.38	10.38
	56.16	1048.38
		(992.22)
TRANS- 5.25 hr		393.75
13.5% Fsc		53.16
Recycle-CES BDL 88883 Absorbent 4 TP		700.00
Sale of cy Sacks 4	80.00	140.00 T
1% Energy Fee	1.40	1.40
Sales Tax	11.55	11.55
1% compliance	13.00	13.00
	105.95	1312.86
		(1206.91)

5/27/09

7/14/09

Customer Special Requests/Requirements

P.O. Required:

☐ Y☒ N

Fuel Surcharge:

☒ Y☐ N

4% City of Houston Fee:

☐ Y☒ N

4-hr Minimum:

☒ Y☐ N

Job Estimate

Item	CES Cost	Customer Charge
12-17-08 Delivered 4 TOTES 5 hr		375.00
18% FSC		67.50
	5.94 4.43	4.43 5.94
	4.43	446.93
Sale of Cillie 4d Sacks 4	80.00	140.00
	(442.50)	
Sale Tax	11.55	11.55
	97.49	599.99
	(502.50)	
2/2/09 TRANS 9 hr		675.00
10.5% FSC		70.88
Recycle - CES 5591176 Dily WATER 3000 G		360.00
	11.06	11.06
#54315	11.06	1116.94
	(1105.88)	
2/3 TRANS - CES 6 hr		450.00
10.5% FSC		47.25
Disposal - CES 5591248 Dily Absorb 2TP		350.00
	8.47	8.47
#54316	8.47	855.72
	(847.25)	
4/22/09 TRANS - CES 8 hr		600.00
7.5% FSC		45.00
Recycle - CES BDL 84976 2000 gal		240.00
1% compliance	8.85	8.85
	8.85	893.85
	(885.00)	

Job Contact:	Stephens Couch	
Phone:	409-989-0603	
Fax:	409-332-8045	

Base Oils	Black Oils	Light Ends	Glycols	Emulsion Oils (>70% oil)	Emulsion Oils (50%-70% oil)
-----------	------------	------------	---------	--------------------------	-----------------------------

Customer Special Request/Requirement



4904 Griggs Road
Houston, TX 77021
Phone: 713-676-1460
Fax: 713-676-1676

October 28, 2008

Jauming Chen
Afton Chemical Corporation
4245 Savannah Ave
Port Arthur, TX 77640

Re: Waste Disposal Services Quote

Dear Mr. Chen:

CES Environmental Services appreciates the opportunity to present to you our proposal for the management and disposal of your various wastes. Please find below our proposed scope of service and associated pricing for your consideration.

Scope of Service

- CES will arrange for the disposal on wastes managed to include exchange of open top totes for collection of the absorbent waste and the transportation of waste and oily water.
- CES will provide for the manifest, labels, and appropriate shipping documents.

Estimated Costs for Completion of Work

Description of Service	Price	
Management of Recycable Oily Water	\$0.12	per gallon
Trailer Washout (if necessary)	\$175.00	per washout
Recycling of Absorbent Pads	\$175.00	per tote
Box Liner	\$35.00	per liner
Transportation	\$75.00	per hour

Conditions/Assumptions

- Disposal pricing subject to change pending final profile approval and receipt of waste.
- The above pricing is based on time and materials, the customer's invoice will reflect the actual quantities utilized on the project.
- All equipment utilizing motor fuel is subject to a 4 hour minimum and fuel surcharge based on the current market price of motor fuel. As of the date of this proposal, the current fuel surcharge rate is 33%.
- An energy recovery fee will be assessed on all disposal based on the current US Department of Labor Producer Price index and Labor for fuels. As of the date of this proposal, the energy recovery fee is 7.3%. A compliance surcharge of 1% is assessed on the total invoice based on compliance filing fees from federal and or state governments.

It is our sincere hope that you find our proposed scope of service and associated pricing appealing and will consider utilizing the services offered by CES Environmental Service, Inc. If you have any questions or comments or would like to begin service, please feel free to contact me at 281-701-8511.

Sincerely,

Joy Baker



**CES Environmental
Services, Inc.**

Invoice

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Date	Invoice #
7/29/2009	57899

Bill To: Afton Chemical Corporation
Attn: Jauming Chen
4245 Savannah Ave.
Port Arthur, TX 77640-3668

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
5.25	7/14/09 Transportation services by CES @ \$75.00 per hour		75.00	393.75
	13.5% Fuel Surcharge		53.16	53.16
4	Recycling of Non-RCRA material (oily absorbent) @ \$175.00 per tote	BOL 88883	175.00	700.00
	1% Energy Surcharge		1.40	1.40
4	Sale of cubic yard sacks @ \$35.00 each	BOL 88888	35.00	140.00T
	1% Compliance Fee		13.00	13.00
	CES job #88883, 88888			

We appreciate your business!

Subtotal \$1,301.31

Late Payment Policy: Any unpaid balances beginning on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

Sales Tax (8.25%) \$11.55

Total \$1,312.86

**CES Environmental
Services, Inc.**

Bill Of Lading # :

88883

Folder ID : Afton Chemical Corp (Afton - Port Arthur)
Production waste

Original - Shipper Provided Short Form Straight Bill of Lading - Not Negotiable - Domestic

SHIPPED FROM :

Afton Chemical Corporation - Port Arthur
4241 Savannah Ave
Port Arthur, TX 77640
(409) 989-6727

11a) ~~HOU-3288~~ 3104
11b)
11c)
11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown, marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its unusual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

For payment: Charges to be billed to Shipper or the "Billed to" party are set forth in the governing contract with Shipper. No charges other than those contained therein may be billed to Shipper or the "Billed to" party without prior written consent of Shipper. The extra copy of this Bill of Lading, furnished at the time of shipment, must be attached to the freight bill submitted to Shipper or the "Billed to" party and sent to:

CONSIGNEE TO :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

CARRIER :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this Shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.549 implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			
No	4	DM TP	200	200	Alon RCRA Non DOT Regulated Material (Coily absorbents) (mixed solvents/products)
			1400	200	

Shipper : Afton Chemical Corporation - Port Arthur

Per : Stephen Crouch Signature : [Signature] Date : 7-14-09

Carrier CES Environmental Services, Inc.

Per : J. Hernandez Signature : [Signature] Date : 7/14/09

Receiving Facility CES Environmental Services, Inc.

Per : Sam Brown Signature : [Signature] Date : 7.14.09

White (Generator Return Copy)

Yellow (Transporter Copy)

Pink (Receiving Facility Copy)

Golden Rod (Generator 1st Copy)

EPAHO040003210

**CES Environmental
Services, Inc.**

Bill Of Lading # :

88888

Folder ID :

Afton Chemical Corp (Afton - Port Arthur)
Production waste

Original - Shipper Provided Short Form Straight Bill of Lading - Not Negotiable - Domestic

SHIPPED FROM :

CES Environmental Services, Inc.
4904 Griggs Rd
Houston, TX 77021
(713) 676-1460

11a)
11b)
11c)
11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its unusual place of delivery at said destination. If on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

For payment: Charges to be billed to Shipper or the "Billed to" party are set forth in the governing contract with Shipper. No charges other than those contained therein may be billed to Shipper or the "Billed to" party without prior written consent of Shipper. The extra copy of this Bill of Lading, furnished at the time of shipment, must be attached to the freight bill submitted to Shipper or the "Billed to" party and sent to:

CONSIGNEE TO :

Afton Chemical Corporation - Port Arthur
4241 Savannah Ave
Port Arthur, TX 77640

CARRIER :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.54b implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			
No	4	TP	4	Each	cut top tote w/ sack

Shipper : CES Environmental Services, Inc.

Per : Steve Strick Signature : [Signature] Date : 7-14-09

Carrier CES Environmental Services, Inc.

Per : J. Hernandez Signature : [Signature] Date : 7/14/09

Receiving Facility Afton Chemical Corporation - Port Arthur

Per : Stephen Crouch Signature : [Signature] Date : 7/14/09

White (Generator Return Copy)

Yellow (Transporter Copy)

Pink (Receiving Facility Copy)

Golden Rod (Generator 1st Copy)



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : Afton Chemical Corp (Afton - Port Arthur)
Production waste

Date : 7/14/2009 Manifest # : _____

Client : Afton Chemical Corporation - Port Arthur Ticket : 88883

Phone : 4099896727 Consignee : CES Environmental Services, Inc.

Transporter : CES Environmental Services, Inc.

Signature [Signature] Signature _____

Leave CES Yard : <u>7:00am</u>	Arrive At Destination <u>11:30</u>
Arrive At Customer : <u>8:45am</u>	Begin Unloading : <u>11:40</u>
Begin Loading : <u>8:55am</u>	Finish Unloading : <u>12:15</u>
Finish Loading : <u>9:40am</u>	Leave Destination : _____
Leave Customer : <u>9:45am</u>	Arrive At CES Yard : _____

Customer PO # : <u>715</u>	Total Hours : <u>5.25</u>	CES Unload: <input checked="" type="checkbox"/>
----------------------------	---------------------------	---

Gross Weight : _____	Ending Odometer : _____
Tare Weight : _____	Beginning Odometer : _____
Net Weight : _____	Total Miles : _____

Driver : Hernandez, Joe Tractor # : 107 Tote # : _____

Signature : J. Hernandez Trailer # : _____ Box # : _____

Job Comments/Equipment : DELIVERED + 4 CUT OPEN TOP

TOTES AND 4 TO MAIL TO CES

White (CES Office)

Yellow (CES Office / Billing)

Pink (CES Office / IFTA)

Golden Rod (Customer)



**CES Environmental
Services, Inc.**

Invoice

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Date	Invoice #
7/29/2009	57899

COPY

Bill To: Afton Chemical Corporation
Attn: Jauming Chen
4245 Savannah Ave.
Port Arthur, TX 77640-3668

		P.O. No.	Terms	Project	
			Net 30		
Quantity	Description	Manifest #	Rate	Amount	
5.25	7/14/09 Transportation services by CES @ \$75.00 per hour		75.00	393.75	
	13.5% Fuel Surcharge		53.16	53.16	
4	Recycling of Non-RCRA material (oily absorbent) @ \$175.00 per tote	BOL 88883	175.00	700.00	
	1% Energy Surcharge		1.40	1.40	
4	Sale of cubic yard sacks @ \$35.00 each	BOL 88888	35.00	140.00T	
	1% Compliance Fee		13.00	13.00	
	CES job #88883, 88888				
We appreciate your business!			Subtotal	\$1,301.31	
Late Payment Policy: Any unpaid balances beginning on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.			Sales Tax (8.25%)	\$11.55	
			Total	\$1,312.86	

**CES Environmental
Services, Inc.**

Bill Of Lading # :

88883

Folder ID : Afton Chemical Corp / Afton - Port Arthur
Production waste

Original - Shipper Provided Short Form Straight Bill of Lading - Not Negotiable - Domestic

SHIPPED FROM :

Afton Chemical Corporation - Port Arthur
4241 Savannah Ave
Port Arthur, TX 77640
(409) 989-6727

11a) HOU-3288

3104

11b)

11c)

11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown, marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its unusual place of delivery at said destination. If on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

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CONSIGNEE TO :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

CARRIER :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

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Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.549 implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			
No	4	BM TP	2007#	sp	Non RCRA Non DOT Regulated Material (mixed solvents/products) (only absorbents)

Shipper : Afton Chemical Corporation - Port Arthur

Per : Stephen Crouch

Signature : [Signature]

Date : 7-14-09

Carrier CES Environmental Services, Inc.

Per : J. Hernandez

Signature : [Signature]

Date : 7/14/09

Receiving Facility CES Environmental Services, Inc.

Per : Sam Brown

Signature : [Signature]

Date : 7.14.09

White (Generator Return Copy)

Yellow (Transporter Copy)

Pink (Receiving Facility Copy)

Golden Rod (Generator 1st Copy)

**CES Environmental
Services, Inc.**

Bill Of Lading # :

88888

Folder ID : Afton Chemical Corp (Afton - Port Arthur)
Production waste

Original - Shipper Provided Short Form Straight Bill of Lading - Not Negotiable - Domestic

SHIPPED FROM :

CES Environmental Services, Inc.
4904 Griggs Rd
Houston, TX 77021
(713) 676-1460

11a)
11b)
11c)
11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its unusual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

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CONSIGNEE TO :

Afton Chemical Corporation - Port Arthur
4241 Savannah Ave
Port Arthur, TX 77640

CARRIER :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

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Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.549 implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			

No	4	TP	4	Each	cut top tote w/ sack
----	---	----	---	------	----------------------

Shipper : CES Environmental Services, Inc.

Per : Steve Stricker Signature : [Signature] Date : 7-14-09

Carrier : CES Environmental Services, Inc.

Per : J. Hernandez Signature : [Signature] Date : 7/14/09

Receiving Facility : Afton Chemical Corporation - Port Arthur

Per : Stephen Couch Signature : [Signature] Date : 7/14/09

White (Generator Return Copy)

Yellow (Transporter Copy)

Pink (Receiving Facility Copy)

Golden Rod (Generator 1st Copy)

EPAHO040003215



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : Afton Chemical Corp (Afton - Port Arthur)
Production waste

Date : 7/14/2009 Manifest # : _____

Client : Afton Chemical Corporation - Port Arthur Ticket : 88883

Phone : 4099896727 Consignee : CES Environmental Services, Inc.

Transporter : CES Environmental Services, Inc. Signature _____

Signature [Signature] Signature _____

Leave CES Yard : <u>7:00 AM</u>	Arrive At Destination : <u>11:30</u>
Arrive At Customer : <u>8:45 AM</u>	Begin Unloading : <u>11:40</u>
Begin Loading : <u>8:55 AM</u>	Finish Unloading : <u>12:15</u>
Finish Loading : <u>9:40 AM</u>	Leave Destination : _____
Leave Customer : <u>9:45 AM</u>	Arrive At CES Yard : _____

Customer PO # : _____	Total Hours : <u>5.25</u>	CES Unload: <input checked="" type="checkbox"/>
-----------------------	---------------------------	---

Gross Weight : _____	Ending Odometer : _____
Tare Weight : _____	Beginning Odometer : _____
Net Weight : _____	Total Miles : _____

Driver : Hernandez, Joe Tractor # : 107 Tote # : _____
Signature : J. Hernandez Trailer # : _____ Box # : _____

Job Comments/Equipment : DELIVERED + 4 CUT OPEN TOP
TOTES AND R/V 12/4 TO HALL TO CES

White (CES Office)

Yellow (CES Office / Billing)

Pink (CES Office / IFTA)

Golden Rod (Customer)

EPAHO040003216



**CES Environmental
Services, Inc.**

JOB INFORMATION PROFILE

Folder ID : Afton Chemical Corp (Afton - Port Arthur)
Production waste

Customer : Afton Chemical Corporation - Port Arthur

Driver : Hernandez, Joe

Address : 4241 Savannah Ave

Helper :

City,State,Zip : Port Arthur TX , 77640

Date : 7/14/2009

Time : 0800

CES Contact : () -

Truck # 107

Trailer #

Job Description :

Site contact: Stephen Couch 409.989.0604

DELIVER:

4 cut top totes w/ sacks

Pick up the following:

Manifest

- 2 totes of oily absorbent [CES # 3104]

Return to CES and check into processing facility.

ID #: 88883

CUSTOMER INFORMATION

OPERATION HOURS:

SHIPPING/RECEIVING CONTACT:

AFTER HOURS CONTACT:

Open :
Close:

Name:
Number:

Name:
Number:

RECEIVING INFORMATION

OPERATION HOURS:

SHIPPING/RECEIVING CONTACT:

AFTER HOURS CONTACT:

Open :
Close:

Name:
Number:

Name:
Number:

PURCHASE ORDER NUMBER REQUIRED:

☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED:

☐ YES ☐ NO

IF YES, WHAT?

HACSC REQUIRED:

☐ YES ☐ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US :

☐ YES ☐ NO

WASHOUT ANTICIPATED:

☐ YES ☐ NO

ROPPER PUMP:

☐ YES ☐ NO

BOX LINER REQUIRED

☐ YES ☐ NO

LOADING/UNLOADING

TRAILER TYPE:

☐ REAR ☐ BELLY
☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX:

☐ YES ☐ NO

CUSTOMER OWNS BOX:

☐ YES ☐ NO



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Copy

Invoice

Date	Invoice #
6/4/2009	56702

Bill To: Afton Chemical Corporation
Attn: Jauming Chen
4245 Savannah Ave.
Port Arthur, TX 77640-3668

		P.O. No.	Terms	Project	
			Net 30		
Quantity	Description	Manifest #	Rate	Amount	
5.75	5/27/09 Transportation services by CES @ \$75.00 per hour 9.5% Fuel Surcharge		75.00 40.97	431.25 40.97	
2	Disposal of Non-RCRA material (oily absorbent) @ \$175.00 per tote	5596900JJK	175.00	350.00	
4	Recycling of Non-RCRA material (mixed solvents) @ \$35.00 per drum	BOL 86678	35.00	140.00	
2	Sale of cubic yard sacks @ \$35.00 each 1% Compliance Fee	BOL 86681	35.00 10.38	70.00T 10.38	
CES job #86671, 86678, 86681					
We appreciate your business!		Subtotal		\$1,042.60	
Late Payment Policy: Any unpaid balances beginning on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.		Sales Tax (8.25%)		\$5.78	
		Total		\$1,048.38	

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (409) 989-6727	4. Manifest Tracking Number 005596900 JJK	
5. Generator's Name and Mailing Address Aflon Chemical Corporation - Port Arthur 4241 Savannah Ave Port Arthur, TX 77640 Generator's Phone: (409) 989-6727			Generator's Site Address (if different than mailing address) Aflon Chemical Corporation - Port Arthur 4241 Savannah Ave Port Arthur, TX 77640 (409) 989-6727			
6. Transporter 1 Company Name CES Environmental Services, Inc.			State ID 30900		U.S. EPA ID Number TXD008950461	
7. Transporter 2 Company Name					U.S. EPA ID Number	
8. Designated Facility Name and Site Address CES Environmental Services, Inc. 4504 Griggs Rd Houston TX, 77021 Facility's Phone: (713) 676-1460			State ID 30900		U.S. EPA ID Number TXD008950461	
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non RCRA Non DOT Regulated Material (Oil, Absorbent)	007 TE		600	P	0045041
	2.					
	3.					
	4.					
14. Special Handling Instructions and Additional Information Folder ID: Aflon Chemical Corp (Aflon - Port Arthur) Production waste 1) HOU-3104 2) 3) 4) This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transport according to the applicable regulations of the Department of Transportation CES Job # - 55671						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Officer's Printed/Typed Name Stephen Croul			Signature Stephen Croul		Month Day Year 10/27/09	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:						
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: Signature: Month Day Year: 10/27/09 Transporter 2 Printed/Typed Name: Signature: Month Day Year:						
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number: Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year:						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. H141 2. 3. 4.						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name: Signature: Month Day Year: 10/27/09						

**CES Environmental
Services, Inc.**

Bill Of Lading # :

86678

Folder ID :

Afton Chemical Corp (Afton - Port Arthur)
Production waste

Original - Shipper Provided Short Form Straight Bill of Lading - Not Negotiable - Domestic

SHIPPED FROM :

Afton Chemical Corporation - Port Arthur
4241 Savannah Ave
Port Arthur, TX 77640
(409) 989-6727

11a) HOU-3288
11b)
11c)
11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its unusual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

For payment: Charges to be billed to Shipper or the "Billed to" party are set forth in the governing contract with Shipper. No charges other than those contained therein may be billed to Shipper or the "Billed to" party without prior written consent of Shipper. The extra copy of this Bill of Lading, furnished at the time of shipment, must be attached to the freight bill submitted to Shipper or the "Billed to" party and sent to:

CONSIGNEE TO :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

CARRIER :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this Shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 393.549 implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			

No	004	DM	220	✓	Non RCRA Non DOT Regulated Material (mixed solvents/productst)
----	-----	----	-----	---	--

Shipper : Afton Chemical Corporation - Port Arthur

Per : Stephen Couch

Signature : [Signature]

Date : 5-27-09

Carrier : CES Environmental Services, Inc.

Per : Travis Woodard

Signature : [Signature]

Date : 05-27-09

Receiving Facility : CES Environmental Services, Inc.

Per : Al Longoria

Signature : [Signature]

Date : 5/27/09

White (Generator Return Copy)

Yellow (Transporter Copy)

Pink (Receiving Facility Copy)

Golden Rod (Generator 1st Copy)



**CES Environmental
Services, Inc.**

Bill Of Lading # :

86681

Folder ID : Afton Chemical Corp (Afton - Port Arthur)
Production waste

Original - Shipper Provided Short Form Straight Bill of Lading - Not Negotiable - Domestic

SHIPPED FROM :

CES Environmental Services, Inc.
4904 Griggs Rd
Houston, TX 77021
(713) 676-1460

11a)
11b)
11c)
11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its unusual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

For payment: Charges to be billed to Shipper or the "Billed to" party are set forth in the governing contract with Shipper. No charges other than those contained therein may be billed to Shipper or the "Billed to" party without prior written consent of Shipper. The extra copy of this Bill of Lading, furnished at the time of shipment, must be attached to the freight bill submitted to Shipper or the "Billed to" party and sent to:

CONSIGNEE TO :

Afton Chemical Corporation - Port Arthur
4241 Savannah Ave
Port Arthur, TX 77640

CARRIER :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this Shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.549 implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			

No	2	TP	002	Each	cut top tote w/ sack
----	---	----	-----	------	----------------------

Shipper : CES Environmental Services, Inc.

Per Jewell Woodard

Signature :

Date : 05-27-09

Carrier CES Environmental Services, Inc.

Per Jewell Woodard

Signature :

Date : 05-27-09

Receiving Facility Afton Chemical Corporation - Port Arthur

Per Stephen Crouch

Signature :

Date : 5-27-09

White (Generator Return Copy)

Yellow (Transporter Copy)

Pink (Receiving Facility Copy)

Golden Rod (Generator 1st Copy)

EPAHQ040003221

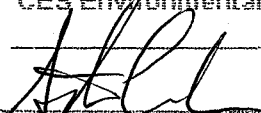


CES Environmental
Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : Afton Chemical Corp (Afton - Port Arthur)
Production waste

Date : 5/27/2009 Manifest # :
Client : Afton Chemical Corporation - Port Arthur Ticket : 86671
Phone : 4089296727 Consignee : CES Environmental Services, Inc.
Transporter : CES Environmental Services, Inc.
Signature  Signature

Leave CES Yard :	1330	Arrive At Destination	19:35
Arrive At Customer :	15:30	Begin Unloading :	18:45
Begin Loading :	15:45	Finish Unloading :	19:20
Finish Loading :	16:15	Leave Destination :	
Leave Customer :	16:30	Arrive At CES Yard :	18:35

Customer PO #:

Total Hours:

5.75

CES Unload:



Gross Weight :
Tare Weight :
Net Weight :

Ending Odometer : 10251
Beginning Odometer : 10043
Total Miles : 208

Driver : 

Tractor # : 279 151

Tote # :

Signature : 

Trailer # : 217

Box # :

Job Comments/Equipment : Loaded and Delivered 2 open-top totes
with liners. Picked up 2 totes - oily material
4 drums - lab solvents

White (CES Office)

Yellow (CES Office / Billing)

Pink (CES Office / IFTA)

Golden Rod (Customer)

EPAHO040003222



**CES Environmental
Services, Inc.**

JOB INFORMATION PROFILE

Folder ID : Afton Chemical Corp (Afton - Port Arthur)
Production waste

Customer : Afton Chemical Corporation - Port Arthur

Driver : Sanchez, Jose

Address : 4241 Savannah Ave

Helper :

City,State,Zip : Port Arthur TX , 77640

Date : 5/27/2009

Time : 2nd

CES Contact : () -

Truck # 279

Trailer # 217

Job Description :

Site contact: Stephen Couch 409.989.0604

DELIVER:

2 cut top totes w/ sacks

Pick up the following:

Manifest

- 2 totes of oily absorbent [CES # 3104]

5 drums of lab solvents [CES#3288]

Return to CES and check into processing facility.

- they will load you with
pallets, they're giving them
to us. Bring back to CES

ID #: 86671

CUSTOMER INFORMATION

OPERATION HOURS:

SHIPPING/RECEIVING CONTACT:

AFTER HOURS CONTACT:

Open :
Close:

Name:
Number:

Name:
Number:

RECEIVING INFORMATION

OPERATION HOURS:

SHIPPING/RECEIVING CONTACT:

AFTER HOURS CONTACT:

Open :
Close:

Name:
Number:

Name:
Number:

PURCHASE ORDER NUMBER REQUIRED:

☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED:

☐ YES ☐ NO

IF YES, WHAT?

HACSC REQUIRED:

☐ YES ☐ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US :

☐ YES ☐ NO

WASHOUT ANTICIPATED:

☐ YES ☐ NO

ROPPER PUMP:

☐ YES ☐ NO

BOX LINER REQUIRED

☐ YES ☐ NO

**LOADING/UNLOADING
TRAILER TYPE:**

☐ REAR ☐ BELLY
☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX:

☐ YES ☐ NO

CUSTOMER OWNS BOX:

☐ YES ☐ NO



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

COPY

Invoice

Date	Invoice #
4/28/2009	55950

Bill To: Afton Chemical Corporation
Attn: Jauming Chen
4245 Savannah Ave.
Port Arthur, TX 77640-3668

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
	4/22/09			
8	Transportation services by CES @ \$75.00 per hour		75.00	600.00
	7.5% Fuel Surcharge		45.00	45.00
2,000	Recycling of Oily Water @ \$0.12 per gallon	BOL 84976	0.12	240.00
	1% Compliance Fee		8.85	8.85

We appreciate your business!

Late Payment Policy: Any unpaid balances beginning on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

Subtotal	\$893.85
Sales Tax (8.25%)	\$0.00
Total	\$893.85

**CES Environmental
Services, Inc.**

Bill Of Lading # :

84976

Folder ID : Afton Chemical Corp (Afton - Port Arthur)
Bulk Product

Original - Shipper Provided Short Form Straight Bill of Lading - Not Negotiable - Domestic

SHIPPED FROM :

Afton Chemical Corporation - Port Arthur
4245 Savannah Ave
Port Arthur, TX 77640
(409) 989-0602

11a) HOU-3123
11b)
11c)
11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination. If on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

For payment: Charges to be billed to Shipper or the "Billed to" party are set forth in the governing contract with shipper. No charges other than those contained therein may be billed to Shipper or the "Billed to" party without prior written consent of Shipper. The extra copy of this Bill of Lading, furnished at the time of shipment, must be attached to the freight bill submitted to Shipper or the "Billed to" party and sent to:

CONSIGNEE TO :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

CARRIER :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this Shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.549 implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			

No.	1	TT	2000	G	Non-RCRA/Non-DOT Regulated Material DOT Regulated Oily water
-----	---	----	------	---	---

Shipper : Afton Chemical Corporation - Port Arthur

Per : Signature : *[Signature]* Date : 4-22-09

Carrier : CES Environmental Services, Inc.

Per : Andres SOTO Signature : *[Signature]* Date : 4-22-09

Receiving Facility : CES Environmental Services, Inc.

Per : SAM BROWN Signature : *[Signature]* Date : 4-22-09

White (Generator Return Copy)

Yellow (Transporter Copy)

Pink (Receiving Facility Copy)

Golden Rod (Generator 1st Copy)

EPAHQ040003225



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1480
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : Afton Chemical Corp (Afton - Port Arthur)
Bulk Product Oil & Water

Date : 4/22/2009 Manifest # : _____
Client : Afton Chemical Corporation - Port Arthur Ticket : 84976
Phone : 4099890602 Consignee : CES Environmental Services, Inc.
Transporter : CES Environmental Services, Inc.
Signature [Signature] Signature _____

Leave CES Yard : <u>6:00 AM</u>	Arrive At Destination <u>12:55 pm</u>
Arrive At Customer : <u>8:00 AM</u>	Begin Unloading : _____
Begin Loading : <u>8:15 AM</u>	Finish Unloading : <u>2:00 PM</u>
Finish Loading : <u>11:00 AM</u>	Leave Destination : _____
Leave Customer : <u>11:15 AM</u>	Arrive At CES Yard : <u>12:55 PM</u>

Customer PO # : _____

Total Hours : _____

8

CES Unload: ☒

Gross Weight : _____
Tare Weight : _____
Net Weight : _____

Ending Odometer : 191809
Beginning Odometer : 191617
Total Miles : 192

Driver : Soto, Andre

Tractor # : 104

Tote # : _____

Signature : Andre Soto

Trailer # : _____

Box # : _____

Job Comments/Equipment : _____

Oil & water From the water separator

White (CES Office)

Yellow (CES Office / Billing)

Pink (CES Office / IFTA)

Golden Rod (Customer)

EPAHO040003226



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

COPY

Date	Invoice #
2/23/2009	54316

Bill To: Afton Chemical Corporation
Attn: Jauming Chen
4245 Savannah Ave.
Port Arthur, TX 77640-3668

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
2/3/09				
6	Transportation services by CES @ \$75.00 per hour		75.00	450.00
	10.5% Fuel Surcharge		47.25	47.25
2	Disposal of Non-RCRA Material (oily absorbent) @ \$175.00 per tote		175.00	350.00
	1% Compliance Fee		8.47	8.47
	CES job #80681			

We appreciate your business!

Late Payment Policy: Any unpaid balances beginning on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

Subtotal \$855.72

Sales Tax (8.25%) \$0.00

Total \$855.72

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone (409) 989-6727	4. Manifest Tracking Number 005591248 JJK	
5. Generator's Name and Mailing Address Afton Chemical Corporation - Port Arthur 4241 Savannah Ave Port Arthur, TX 77640 Generator's Phone: (409) 989-6727		State ID:		Generator's Site Address (if different than mailing address) Afton Chemical Corporation - Port Arthur 4241 Savannah Ave Port Arthur, TX 77640 (409) 989-6727		
6. Transporter 1 Company Name CES Environmental Services, Inc.		State ID 30900		U.S. EPA ID Number TXD008950461		
7. Transporter 2 Company Name				U.S. EPA ID Number		
8. Designated Facility Name and Site Address CES Environmental Services, Inc. 4904 Griggs Rd Houston TX, 77021 Facility's Phone: (713) 676-1450		State ID 30900		U.S. EPA ID Number TXD008950461		
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes
	Non RCRA Non DOT Regulated Material (Oil Absorbent)	2 TB		800	P	CE57011 00345 041
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information Folder 10 - Afton Chemical Corp (Afton - Port Arthur) Production waste CES Job # - 90681						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offor's Printed/Typed Name Stephen Crouch		Signature [Signature]		Month Day Year 2 3 09		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Andres Soto		Signature Andres Soto		Month Day Year 2 3 09		
Transporter 2 Printed/Typed Name		Signature		Month Day Year		
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number:						
18b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator) Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. H1111		2. -		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name Gary Peterson		Signature Gary Peterson		Month Day Year 2 4 09		



CES Environmental
Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : Afton Chemical Corp (Afton - Port Arthur)
Production waste

Date : 2/3/2009 Manifest # : _____

Client : Afton Chemical Corporation - Port Arthur Ticket : 80681

Phone : 4099896727 Consignee : CES Environmental Services, Inc.

Transporter : CES Environmental Services, Inc.

Signature [Signature] Signature _____

Leave CES Yard : 8:30 AM	Arrive At Destination : 1:30
Arrive At Customer : 11:20 AM	Begin Unloading : 1:45
Begin Loading : 11:25 AM	Finish Unloading : _____
Finish Loading : 11:40 AM	Leave Destination : 2:25
Leave Customer : 11:45 AM	Arrive At CES Yard : _____

Customer PO # : _____	Total Hours : 6	CES Unload: <input checked="" type="checkbox"/>
-----------------------	-----------------	---

Gross Weight : _____	Ending Odometer : 106340
Tare Weight : _____	Beginning Odometer : 106124
Net Weight : _____	Total Miles : 216

Driver : Soto, Andre Tractor # : ~~48~~ 103 Tote # : _____
Signature : Andre Soto Trailer # : ~~202~~ Box # : _____

Job Comments/Equipment : _____

P/U TWO TOTES
FROM AFTON CHEMICAL

White (CES Office)

Yellow (CES Office / Billing)

Pink (CES Office / IFTA)

Golden Rod (Customer)

EPAHQ040003229



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

Date	Invoice #
2/23/2009	54315

Bill To: Afton Chemical Corporation
Attn: Jauming Chen
4245 Savannah Ave.
Port Arthur, TX 77640-3668

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
	2/2/09			
9	Transportation services by CES @ \$75.00 per hour		75.00	675.00
	10.5% Fuel Surcharge		70.88	70.88
3,000	Recycling of Non-RCRA Water (oily water) @ \$0.12 per gallon	5591176JJK	0.12	360.00
	1% Compliance Fee		11.06	11.06
	CES job #80682			

We appreciate your business!

Subtotal \$1,116.94

Late Payment Policy: Any unpaid balances beginning on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

Sales Tax (8.25%) \$0.00

Total \$1,116.94

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

EPAHQ040003231



CES Environmental
Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 678-1460
Fax. (713) 678-1678

Transportation Work Ticket

Folder ID : Afton Chemical Corp (Afton - Port Arthur)
Production waste

Date : 2/2/2009 Manifest # : _____

Client : Afton Chemical Corporation - Port Arthur Ticket : 80582

Phone : 4099856727 Consignee : CES Environmental Services, Inc.

Transporter : CES Environmental Services, Inc.

Signature [Signature] Signature _____

Leave CES Yard : 10:00	Arrive At Destination 6:00 pm
Arrive At Customer : 12:00 PM	Begin Unloading : _____
Begin Loading : 12:20 PM	Finish Unloading : 7:00 pm
Finish Loading : 4:00 PM	Leave Destination : _____
Leave Customer : 4:15 PM	Arrive At CES Yard : 6:00 PM

Customer PO # : _____

Total Hours: _____

9

CES Unload: ☐

Gross Weight : _____	Ending Odometer : 186987
Tare Weight : _____	Beginning Odometer : 186803
Net Weight : _____	Total Miles : 184

Driver : Sato, Andre Tractor # : 104 Tote # : _____

Signature : Andre Sato Trailer # : _____ Box # : _____

Job Comments/Equipment : _____

PUMP OUT OILY WATER FROM
WATER SEPARATOR

White (CES Office)

Yellow (CES Office / Billing)

Pink (CES Office / IFTA)

Golden Red (Customer)

EPAHQ040003232



4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

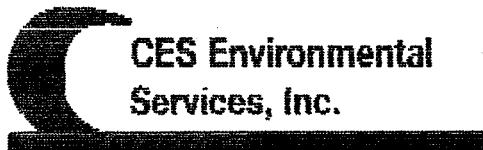
COPY

Invoice

Date	Invoice #
2/2/2009	53773

Bill To: Afton Chemical Corporation
Attn: Jauming Chen
4245 Savannah Ave.
Port Arthur, TX 77640-3668

		P.O. No.	Terms	Project	
			Net 30		
Quantity	Description	Manifest #	Rate	Amount	
5	12/17/08 Transportation services by CES to deliver 4 open top totes @ \$75.00 per hour		75.00	375.00	
	18% Fuel Surcharge		67.50	67.50	
4	Sale of cubic yard sacks @ \$35.00 each		35.00	140.00T	
	1% Compliance Fee		5.94	5.94	
	CES job #78085				
We appreciate your business!		Subtotal		\$588.44	
Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.		Sales Tax (8.25%)		\$11.55	
		Total		\$599.99	



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : Afton Chemical Corp (Afton - Port Arthur)
Production waste

Date : 12/17/2008 Manifest # : 4253534

Client : Afton Chemical Corporation - Port Arthur Stephen Crouch Ticket : 78085

Phone : 4099896727 Consignee : CES Environmental Services, Inc.

Transporter : CES Environmental Services, Inc.

Signature [Signature] Signature _____

Leave CES Yard : <u>11:30</u>	Arrive At Destination : _____
Arrive At Customer : _____	Begin Unloading : _____
Begin Loading : _____	Finish Unloading : _____
Finish Loading : _____	Leave Destination : _____
Leave Customer : _____	Arrive At CES Yard : <u>16:30</u>

Customer PO # : _____	Total Hours : _____	CES Unload: <input type="checkbox"/>
-----------------------	---------------------	--------------------------------------

Gross Weight : _____	Ending Odometer : <u>109142</u>
Tare Weight : _____	Beginning Odometer : <u>91749</u> <u>108934</u>
Net Weight : _____	Total Miles : <u>208</u>

Driver : [Signature] Tractor # : 2000 294 Tote # : _____
Signature : [Signature] Trailer # : 217 Box # : _____

Job Comments/Equipment : Jose Dominguez
Delivered 4 open top totes (w/sacks)

White (CES Office)

Yellow (CES Office / Billing)

Pink (CES Office / IFTA)

Golden Rod (Customer)

EPAHO040003234



**CES Environmental
Services, Inc.**

JOB INFORMATION PROFILE

Folder ID : Afton Chemical Corp (Afton - Port Arthur)
Production waste

Customer : Afton Chemical Corporation - Port Arthur

Address : 4241 Savannah Ave

City,State,Zip : Port Arthur TX , 77640

CES Contact : () -

Driver : ~~Sanchez~~ *Dominquez, Jose*

Helper :

Date : 12/17/2008

Time : 2nd

Truck # ~~294~~ *294* Trailer # 217

Job Description :

Site contact: Stephen Couch 409.989.0604

Deliver the following:

4 cut top totes with sacks

Pick up the following:

Manifest

- 2 totes of oily absorbent

[CES # 3104]

Return to CES and check into processing facility.

****They will be loading 2 of the 4 totes with the material that you are bringing back****

ID #: 78085

CUSTOMER INFORMATION

OPERATION HOURS:

Open :	
Close:	

SHIPPING/RECEIVING CONTACT:

Name:	
Number:	

AFTER HOURS CONTACT:

Name:	
Number:	

RECEIVING INFORMATION

OPERATION HOURS:

Open :	
Close:	

SHIPPING/RECEIVING CONTACT:

Name:	
Number:	

AFTER HOURS CONTACT:

Name:	
Number:	

PURCHASE ORDER NUMBER REQUIRED:

☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED:

☐ YES ☐ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US :

☐ YES ☐ NO

ROPPER PUMP:

☐ YES ☐ NO

LOADING/UNLOADING

TRAILER TYPE:

☐ REAR ☐ BELLY
☐ DOES NOT MATTER

HACSC REQUIRED:

☐ YES ☐ NO

IF YES, WHAT?

WASHOUT ANTICIPATED:

☐ YES ☐ NO

BOX LINER REQUIRED

☐ YES ☐ NO

BOX NUMBER:

Waste Pre-Acceptance/Approval Letter

Date **12/5/2008**

Dear **Jauming**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3103

Expiration Date 12/5/2010

Generator: Afton Chemical Corporation - Port Arthur

Address: 4241 Savannah Ave
Port Arthur, TX 77640

Waste Information

Name of Waste: Oily water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Oily water from API Separator at oil additives plant

Color: brown

Odor: hydrocarbon

pH: 3-11

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

APP
May be an emulsion.

CES Environmental Services, Inc.
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1876
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit Number: R0948
U.S. EPA ID Number: TX0008550461 ISWR Number: 00900

4B

OL

SECTION 1: Generator Information

Company: Afton Chemical Corporation
Address: 4245 Savannah Ave
City: Port Arthur State: TX Zip: 77640-3668
Contact: Jaunmy Chen Title: Operations Superintendent
Phone Number: 409-989-0602 Fax Number: _____
24/hr Phone Number: 832-444-2043
US EPA ID No: TXR000043414
State ID No: CESQG SIC Code: _____

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City: _____ State: _____ Zip: _____
Contact: _____ Title: _____
Phone Number: _____ Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: Oil Water
Detailed Description of Process Generating Waste: Oil water from API Separator at oil additives plant

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: brown Odor: hydrocarbon

Specific Gravity (water=1): 0.9-1 Density: 7.5-8.34 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2867
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4999	5511						

Layers: ☒ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☒ Monthly ☐ Yearly ☐ One-Time

Quantity: 1

☐ Yes ☒ No

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009
☐ D010 ☐ D011

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

Texas State Waste Code Number: Recycle

Proper US DOT Shipping Name:		Non HARA/Non DOT Regulated Water			
Class:	NA	UN/NA:	NA	PG:	NA
				RQ:	NA

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>140		3-11		BRL mg/l		BRL mg/l		<1 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
>1500	mg/l	<10000	mg/l	BRL	mg/l	BRL	mg/l	BRL	mg/l

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste
approval package. none

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):
oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED**
based upon the following generator knowledge:

TCLP Metals:	NA
TCLP Volatiles:	NA
TCLP Semi-Volatiles:	NA
Reactivity:	NA
Corrosivity:	NA
Ignitability:	NA

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?
if 'Yes', complete this section.

☒ YES ☐ NO

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☒ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:

J. Chen

Date:

11/17/2008

Printed Name/Title:

Jiauming Chen, Site Superintendent

(CES USE ONLY (DO NOT WRITE IN THIS SPACE))

Compliance Officer:

P. R. R. R. R.

Date:

12-5-08

Approved

☐ Rejected

Approval Number:

3103

1. Base Pricing (including freight):

\$0.12/gal + trans + fsc

2. Contamination Limit (maximum limit before surcharges apply):

std

3. Surcharge Pricing:

std per rate sheet on shared drive

4. Special Testing Requirements:

std: TOC, pH, phenol, metals, % oil, % solids; emulsion
yes or no - May need to go to heat tank to break emulsion.

5. Treatment and Handling Protocol:

Sub Cat B. water - Heat tank processing for emulsion oil
removal.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☒ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 12/5/2008

Dear **Jauming**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3104

Expiration Date 12/5/2010

Generator: Afton Chemical Corporation - Port Arthur

Address: 4241 Savannah Ave
Port Arthur, TX 77640

Waste Information

Name of Waste: Oily Absorbent

TCEQ Waste Code #: CESQ3011

Container Type:

Detailed Description of Process Generating Waste:

Oily Absorbent pads, rags, Filters, & debris from oil additives plant

Color: Brown

Odor: Hydrocarbon

pH: 3-11

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO040003243

GRD

05

CES Environmental
Services, Inc.4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 31348

U.S. EPA ID Number: TXD68850461 ISWR Number: 30900

4B

SECTION 1: Generator Information

Company: Afton Chemical Corporation
 Address: 4245 Savannah Ave
 City: Port Arthur State: TX Zip: 77640-3668
 Contact: Juanming Chen Title: Operations Superintendent
 Phone Number: 409-989-0602 Fax Number: _____
 24/hr Phone Number: 832-444-2043
 US EPA ID No: TXR000043434
 State ID No: CESQG SIC Code: _____

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Contact: _____ Title: _____
 Phone Number: _____ Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: Only Absorbent
 Detailed Description of Process Generating Waste: Only absorbent Pads, Rags, filters, & debris from oil additives plant

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: brown Odor: hydrocarbon

Specific Gravity (water=1): NA Density: NA lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☒ Tote ☐ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☒ Monthly ☐ Yearly ☐ One-Time

Quantity: 1

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste
approval package. none

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):
oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED
based upon the following generator knowledge:

TCLP Metals:	NA
TCLP Volatiles:	NA
TCLP Semi-Volatiles:	NA
Reactivity:	NA
Corrosivity:	NA
Ignitability:	NA

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO
If "Yes", complete this section

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 156 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 220 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 220 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 220 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:

J. Chen

Date:

11/17/2008

Printed Name/Title:

Jiauning Chen, Site Superintendent

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer:

Paulina Chyn

Date:

12-5-08

☒ Approved

☐ Rejected

Approval Number:

3109



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$175/tote + trans + fsc

2. Contamination Limit (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

Class 1 Bulk.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--

Waste Pre-Acceptance/Approval Letter

Date **12/5/2008**

Dear **Jauming**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3103

Expiration Date 12/5/2010

Generator: Afton Chemical Corporation - Port Arthur

Address: 4241 Savannah Ave
Port Arthur, TX 77640

Waste Information

Name of Waste: Oily water

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Oily water from API Separator at oil additives plant

Color: brown

Odor: hydrocarbon

pH: 3-11

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

YRP
May be an emulsion.

CES Environmental Services, Inc.
4504 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TX0008850461 SWR Number: 00900

4B

OL

SECTION 1: Generator Information

Company: Afton Chemical Corporation
Address: 4245 Savannah Ave
City: Port Arthur State: TX Zip: 77640-3658
Contact: Jauming Chen Title: Operations Superintendent
Phone Number: 409-989-0602 Fax Number: _____
24/hr Phone Number: 332-444-2043
US EPA ID No: TXR000043414
State ID No: CESQG SIC Code: _____

SECTION 2: Billing Information ☒ Same as Above

Company: _____
Address: _____
City: _____ State: _____ Zip: _____
Contact: _____ Title: _____
Phone Number: _____ Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: Oil Water
Detailed Description of Process Generating Waste: Oil water from API Separator at oil additives plant

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: brown Odor: hydrocarbon

Specific Gravity (water=1): 0.9-1 Density: 7.5-8.34 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2866
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☒ Monthly ☐ Yearly ☐ One-Time

Quantity: 1

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D007 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009
☐ D010 ☐ D011
Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Proper US DOT Shipping Name:		Non RCRA/Non DOT Regulated Water			
Class:	NA	UN/NA:	NA	PG:	NA

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>140		3-11		BRL <u>mg/l</u>		BRL <u>mg/l</u>		<1 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
>1500	<u>mg/l</u>	<10000	<u>mg/l</u>	BRL	<u>mg/l</u>	BRL	<u>mg/l</u>	BRL	<u>mg/l</u>

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste
approval package. none

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):
oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED
based upon the following generator knowledge:

TCLP Metals:	NA
TCLP Volatiles:	NA
TCLP Semi-Volatiles:	NA
Reactivity:	NA
Corrosivity:	NA
Ignitability:	NA

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge? ☒ YES ☐ NO
If "Yes", complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☒ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☒ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: _____

Printed Name/Title: _____

Jawing Chen, Site Superintendent

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: _____

Approval Number: _____

Robert R. Rhyne
Approved ☒ Rejected ☐
3103

1. Base Pricing (including freight):

\$0.12/gal + trans + fsc

2. Contamination Limit (maximum limit before surcharges apply):

std

3. Surcharge Pricing:

std per rate sheet on shared drive

4. Special Testing Requirements:

std: TOC, pH, phenol, metals, % oil, % solids; emulsion
yes or no - May need to go to heat tank to break emulsion.

5. Treatment and Handling Protocol:

Sub Cat B. water - Heat tank processing for emulsion oil
removal.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☒ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

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8. Management for Product Recovered/Recycled (if applicable)

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Waste Pre-Acceptance/Approval Letter

Date **12/5/2008**

Dear **Jauming**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3104

Expiration Date 12/5/2010

Generator: Afton Chemical Corporation - Port Arthur

Address: 4241 Savannah Ave
Port Arthur, TX 77640

Waste Information

Name of Waste: Oily Absorbent

TCEQ Waste Code #: CESQ3011

Container Type:

Detailed Description of Process Generating Waste:

Oily Absorbent pads, rags, Filters, & debris from oil additives plant

Color: Brown

Odor: Hydrocarbon

pH: 3-11

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

Standard PPE

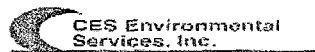
If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

GRD

05



4904 Griggs Road, Houston, TX 77021
 Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
 TCEQ Industrial Solid Waste Permit Number: 3348
 U.S. EPA ID Number: TXDMS950461 ISWR Number: 0000

KB

SECTION 1: Generator Information

Company: Afton Chemical Corporation
 Address: 4245 Savannah Ave
 City: Port Arthur State: TX Zip: 77640-3668
 Contact: Jawring Chen Title: Operations Superintendent
 Phone Number: 409-989-0802 Fax Number: _____
 24/hr Phone Number: 832-444-2043
 US EPA ID No: TXR000043414
 State ID No: CS5QG SIC Code: _____

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
 Address: _____
 City: _____ State: _____ Zip: _____
 Contact: _____ Title: _____
 Phone Number: _____ Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: Oily Absorbent
 Detailed Description of Process Generating Waste: Oily absorbent Pads, Rags, filters, & debris from oil additives plant

Physical State: ☐ Liquid ☐ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color: brown Odor: hydrocarbon

Specific Gravity (water=1): NA Density: NA lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHA? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2881	2892	2893	2896	2899	2911
3312	4953	4959	9311						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☒ Tote ☐ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☒ Monthly ☐ Yearly ☐ One-Time

Quantity: 1

☐ Yes ☒ No

If "Yes", is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)

Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

If "Yes", then please list ALL applicable codes:

If "Yes", then please list ALL applicable codes:

CE50-3011

Non RCRA/Non DDT Regulated Waste

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>140		3-11		NA mg/l		NA mg/l		100 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
>1500	mg/l	NA	mg/l	NA	mg/l	NA	mg/l	NA	mg/l

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. none

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: NA

TCLP Volatiles: NA

TCLP Semi-Volatiles: NA

Reactivity: NA

Corrosivity: NA

Ignitability: NA

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☐ YES☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 120 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 120 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 120 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:

J. Chen

Date:

11/17/2008

Printed Name/Title:

Jiaoming Chen, Site Superintendent

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer:

Robert Chyn

Date:

12-5-08

☒ Approved

☐ Rejected

Approval Number:

3104

1. Base Pricing (including freight):

\$175/tote +trans+fsc

2. Contamination Limit (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

Class 1 Bulk.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

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8. Management for Product Recovered/Recycled (if applicable)

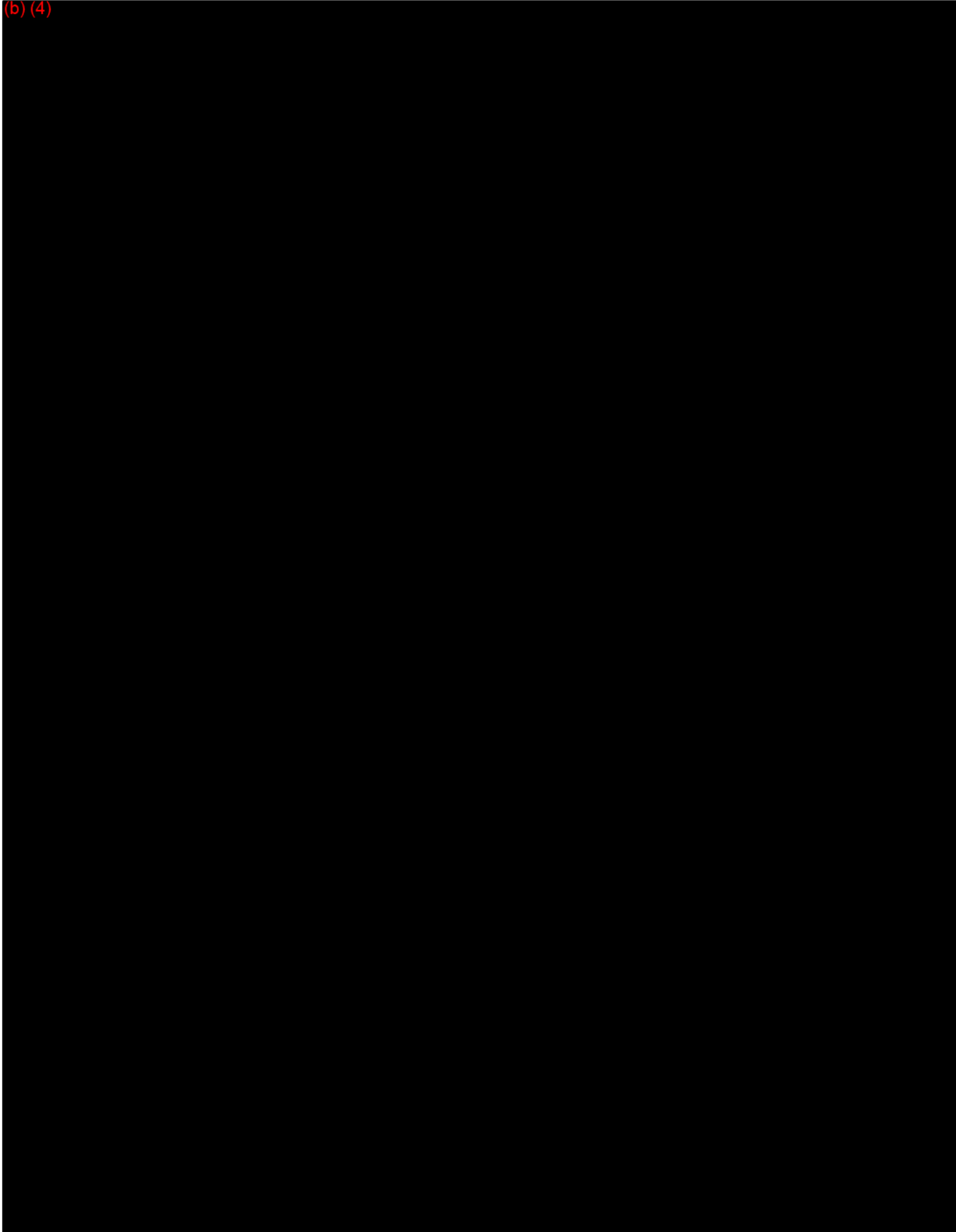
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Material Safety Data Sheet

(b) (4)

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*** END OF MSDS ***



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 5/28/2009

Dear Jauming Chen

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3353

Expiration Date 5/28/2010

Generator: Afton Chemical Corporation - Port Arthur

Address: 4245 Savannah Ave
Port Arthur, TX 77640

Waste Information

Name of Waste: Class I Solids

TCEQ Waste Code #: 10106091

Container Type: vacuum box

Detailed Description of Process Generating Waste:

solids from cleaning a product tank - lauryl methacrylate product tank (polymerized solid

Color: clear

Odor: none

pH: 3-11

Physical State:

Incompatibilities: excessive heat, strong oxidizers

Safety Related Data/Special Handling:

std PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO040003269



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

IB/MM

IS

SECTION 1: Generator Information

Company : Afton Chemical Corporation - Port Arthur
Address : 4245 Savannah Ave 4245 Savannah Ave
City, State, Zip : Port Arthur TX 77640
Contact : Jauming Chen Title :
Phone No : (409) 989-0602 Fax : (409) 989-0603
24 / HR Phone :
U.S EPA I.D No :
State I.D : SIC Code

SECTION 2: Billing Information

Company : Afton Chemical Corporation - Port Arthur
Address : 4245 Savannah Ave 4245 Savannah Ave
City, State, Zip : Port Arthur TX 77640
Contact : Jauming Chen Title :
Phone No : (409) 989-0602 Fax : (409) 989-0603

SECTION 3: General Description of the Waste

Name of Waste : Class 1 solids

Detailed Description of the Process Generating Waste:

Solids from cleaning a product tank - lauryl methacrylate product tank (polymerized solids)

Physical State : ☐ Liquid ☒ Sludge ☐ Powder
☒ Solid ☐ Filter Cake ☐ Combination

Color : clear Odor : none

Specific Gravity (Water=1) : na Density : na lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers : ☒ Single-Phase ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain) Vacuum box

Container Size : 25 yds

Number Of Units : 1

Is this a USEPA "Hazardous Waste" per 40 CFR 261.3? ☐ Yes ☒ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007
☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : 1010 6091

Proper U.S. State Waste Code No : Non-RCRA/Non-DOT Regulated Class I Solids

Class : na UN/NA : na PG : na RQ : na

Flash Point >150	pH 3-11	Reactive Sulfides <u>na</u> mg/l	Reactive Cyanides <u>na</u> mg/l	Solids <u>95</u> %
Oil and Grease <u>0</u> mg/l	TOC <u>na</u> mg/l	Zinc <u>na</u> mg/l	Copper <u>na</u> mg/l	Nickel <u>na</u> mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
water	<u>05</u> <u>5~40</u>	%
solids (lauryl methacrylate polymer)	<u>95</u> <u>60~95</u>	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
std ppe

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

excessive heat, strong oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : ☒
TCLP Volatiles : ☒
TCLP Semi-Volatiles : ☒
Reactivity : ☒

Corrosivity : X
Ignitability : X

SECTION 9: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 10: Additional Instruction

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____

Date : _____

Printed Name / Title : _____

Jauming Chen Site Superintendent

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information :

Compliance Officer : _____

Date : *5-29-09*

Status :

☒ Approved

☐ Rejected

Approval Number : _____

1. Base Pricing (including freight):

\$50 / yard + trans + fsc

2. Contamination Limit (maximum limit before surcharges apply):

Must meet Class 2 Specs
(40 deg)

3. Surcharge Pricing:

4. Special Testing Requirements:

fp. (must be > 140 deg F)

5. Treatment and Handling Protocol:

Send to HPP - Class 2 Solids

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--

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LMA - UDM

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1. Chemical Product and Company Identification

LMA - UDM

Synonyms: lauryl methacrylate

Supplier:

Evonik RohMax USA, Inc.
723 Electronic Drive
Horsham, PA 19044-2228
USA

Evonik RohMax Additives GmbH
Kirschenallee
64293 Darmstadt
Germany

Telephone No. 215-706-0843
Toll Free No. 1-888-876-4629
Regulatory Specialist 215-706-5840

Phone +49 6151 18 09

Spill, Leak, Fire, Exposure or Accident
CHEMTREC® 1-800-424-9300
Outside USA 703-527-3887 (Collect calls accepted)
CANUTEC 613-996-6666 (Canada)

Emergency +49 6151 18 4342
+33 3 88 73 60 00 (France)

Product Use: component for lubricant additives

2. Composition/Information on Ingredients

This material is classified as hazardous under OSHA regulations.

<u>Ingredients</u>	<u>CAS Reg. No.</u>	<u>Weight %</u>
dodecyl methacrylate	142-90-5	60 - 100
tetradecyl methacrylate	2549-53-3	15 - 40

See Section 8, Exposure Controls/Personal Protection

3. Hazards Identification

Emergency Overview

Color: pale yellow
Appearance: liquid
Odor: sweet, ester-like

MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION

Primary Routes of Exposure

Eye contact
Skin contact
Inhalation

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Potential Health Effects

Inhalation

Inhalation of vapor or mist can cause the following:

- irritation of nose and throat

Eye contact

Material can cause the following:

- irritation

Skin contact

Material can cause the following:

- irritation

Ingestion

No hazard expected in normal use.

Potential Environmental Effects

See SECTION 12, Ecological Information

4. First Aid Measures

First Aid Procedures

General information

Remove soiled, soaked clothing immediately. Medical treatment is necessary if symptoms occur which are obviously caused by skin or eye contact with the product or by inhalation of its vapours.

Inhalation

Remove to fresh air. If breathing is difficult, get medical attention.

Eye contact

In case of contact, immediately flush eyes with plenty of water. Obtain medical attention if irritation develops.

Skin contact

Immediately wash skin with soap and plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Obtain medical attention if irritation develops or persists.

Ingestion

Get immediate medical attention. Only induce vomiting if directed by a physician. Never give anything by mouth to an unconscious person.

5. Fire-Fighting Measures

Flash point	> 150 °C (ASTM D 3278) > 302 °F (ASTM D 3278)
Auto ignition	277 °C 531 °F
Lower explosion limit	not available
Upper explosion limit	not available
OSHA Flammability Classification	none

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Other Flammable Properties

EVACUATE THE AREA of all non-emergency personnel. Fight advanced fires from a protected location. Move containers promptly out of fire zone. If removal is impossible, cool containers with water spray. Avoid breathing smoke. Remain upwind.

Extinguishing Media

Use the following extinguishing media when fighting fires involving this material:
foam - dry chemical - carbon dioxide

Fire Fighting Procedures

Wear self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent). Wear full protective gear.

6. Accidental Release Measures

Personal Protection

If exposed to material during clean-up operations, see SECTION 4, 'First Aid Measures', for actions to follow. Appropriate protective equipment must be worn when handling a spill of this material.

For further information see SECTION 8, Exposure Controls/Personal Protection.

Procedures

Keep spectators away. Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal. Contaminated monomer may be unstable. Add inhibitor to prevent polymerization.

CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water. NOTE: Spills on porous surfaces can contaminate groundwater.

7. Handling and Storage

Handling

Do not handle material near food, feed or drinking water. See SECTION 8, 'Exposure Controls/Personal Protection', prior to handling. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Wash after handling and shower at end of work period.

Storage

Keep in temperature range between a minimum of 1 °C / 34 °F up to a maximum of 80 °C / 176 °F. Avoid temperature extremes during storage; ambient temperature preferred. This product contains inhibitor to stabilize it during shipment and storage. The effectiveness of the inhibitor is dependent on the presence of dissolved oxygen. In order to maintain sufficient dissolved oxygen in the liquid to avoid polymerisation, the monomer must always be stored with a vapor space oxygen concentration of 5% to 21% (air). If the material is stored longer than six months in a closed container, replenish the vapor space with fresh air to avoid depletion of the dissolved oxygen. Use monomer within 1 year. Store material in containers made of the following: - aluminium - stainless steel. Material will freeze below freezing temperature which can lead to partitioning of inhibitor when thawed. Repeated freeze-thaw cycles should be avoided.

Other

CONTAINERS HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue (vapors and/or liquid) follow all MSDS and label warnings even after container is emptied. Improper disposal or re-use of this container may be dangerous and illegal. Refer to applicable local, state and federal regulations. Dispose empty container in a sanitary landfill or by incineration as allowed by state and local authorities. Avoid inhalation of smoke if incinerated.

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8. Exposure Controls/Personal Protection

Engineering Controls (Ventilation)

Use local exhaust ventilation with a minimum capture velocity of 100 ft/min. (0.5 m/sec.) at the point of vapor evolution. Refer to the current edition of 'Industrial Ventilation: A Manual of Recommended Practice' published by the American Conference of Government Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

Personal Protective Equipment (PPE)

Respiratory protection

Where misting may occur, wear a MSHA/NIOSH approved (or equivalent) half mask, dust/mist air purifying respirator.

Eye Protection

Use safety glasses (ANSI Z87.1 or approved equivalent). Eye protection worn must be compatible with respiratory protection system employed.

Skin Protection

Use chemically resistant apron or other impervious clothing to avoid prolonged or repeated skin contact.

Hand Protection

The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection:

butyl rubber gloves

Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.

Rinse and remove gloves immediately after use.

Wash hands with soap and water.

Other Protective Equipment

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

9. Physical and Chemical Properties

Appearance	pale yellow
Physical state	liquid
Odor	sweet, ester-like
Flash point	> 150 °C (ASTM D 3278) > 302 °F (ASTM D 3278)
pH-value	not applicable
Viscosity (kinematic)	not available
Specific gravity (water = 1)	0.868 g/cm ³
Vapor density (air = 1)	> 1
Vapor pressure	9.33 hPa (= mbar) at 160 °C / 320 °F
Melting Point	-22 °C / -8 °F
Boiling Range	272 - 344 °C / 522 - 651 °F at 1,013 hPa (= mbar)
Solubility in water	virtually insoluble

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n-Octanol/water partition coefficient log Pow 6.88 (own calculation according to Rekker) (dodecyl methacrylate)

log Pow 8.74 (own calculation according to Rekker)
(pentadecyl methacrylate)

Evaporation rate not available

Odor threshold not available

Further information none

See Section 5, Fire Fighting Measures

10. Stability and Reactivity

Stability

No decomposition when used as directed.

Conditions To Avoid

This material is considered stable under specified conditions of storage, shipment and/or use. See SECTION 7, 'Handling and Storage', for specified conditions. This material can undergo polymerization. See 'Hazardous Polymerization' for conditions to avoid.

Incompatibility With Other Materials

Avoid contact with strong oxidizing and/or reducing agents. Avoid contact with free radical initiators.

Hazardous Decomposition Products

None when used as directed.

Hazardous Polymerization

Excessive aging, heat, contamination with polymerization catalysts, oxygen-free atmosphere, inhibitor depletion or ultraviolet light (sunlight) may cause polymerization. This material is not expected to undergo hazardous polymerization; energy will not be released rapidly.

11. Toxicological Information

Acute Oral Toxicity

LD50 rat > 5,000 mg/kg
(analogy)

Acute Dermal Toxicity

LD50 rabbit > 3,000 mg/kg
(analogy)

Irritant Effect on the Skin

rabbit slightly irritating
(analogy)

Irritant Effect on the Eyes

rabbit slightly irritating
(analogy)

Toxicity on Repeated Administration

rat, inhalation, 28, tested in a saturated atmosphere
Findings: no toxic effects
(analogy)

Mutagenicity

not mutagenic in in vivo and in vitro tests

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(analogy)

Further Information on Toxicology

Avoid contact with the skin and eyes and inhalation of the product vapours.

12. Ecological Information

Information on elimination (persistence and degradability)

Biodegradability

biodegradable
(analogy)

Ecotoxicological effect

Fish Toxicity

LC50 gold fish (carassius auratus), 72 h > 10,000 mg/l
(analogy)

LC50 Leuciscus idus, OECD 203, 48 h > 1,000 mg/l
(analogy)

Bacteria Toxicity

EC50 active sludge, respiration inhibition test > 300 mg/l
(analogy)

Further Information on Ecology

Do not allow to enter soil, waterways or waste water

13. Disposal Considerations

Procedures

After the addition of excess inhibitor, incinerate liquid and contaminated diking material in accordance with local, state, and federal regulations. The above recommendation covers disposal of material as supplied.

14. Transport Information

Further information

|| Not subject to the regulations on dangerous goods.

15. Regulatory Information

INVENTORY INFORMATION

EINECS (EU)	listed or exempted
TSCA (USA)	listed or exempted
DSL (CDN)	listed or exempted
AICS (AUS)	listed or exempted
METI (J)	listed or exempted
ECL (KOR)	listed or exempted
PICCS (RP)	listed or exempted
IECS (VR)	listed or exempted

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US FEDERAL REGULATORY INFORMATION

Component / CASRN	TPQ [lbs]	CERCLA RQ [lbs] (40CFR302.4)	SARA 302 List of EHS	SARA 313 (40CFR372)	TSCA 12b
NONE					

COMPONENT CLASSIFICATION UNDER CLEAN AIR ACT SECTION 112

Component / CASRN	Weight %	HAP	EHAP
NONE			

PRODUCT CLASSIFICATION UNDER SECTION 311/312 OF SARA (40CFR370)

NONE

US STATE REGULATORY INFORMATION

Component / CASRN	New Jersey RTK	Pennsylvania RTK	Massachusetts RTK	California Proposition 65 Cancer	California Proposition 65 Reproductive
dodecyl methacrylate / 142-90-5	NO	NO	NO	NO	NO
tetradecyl methacrylate / 2549-53-3	NO	NO	NO	NO	NO

CANADIAN REGULATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation and the MSDS contains all information required by the Controlled Products Regulations.

This is a non-controlled product.

WHMIS: NO

Component / CASRN	NPRI
NONE	

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16. Other Information

	Health	Flammability	Reactivity
HMIS-Ratings	1	1	1
NFPA-Ratings	1	1	1

HMIS Hazard Ratings

4 = severe
3 = serious
2 = moderate
1 = slight
0 = minimal
* = chronic health hazard

NFPA Hazard Ratings

4 = extreme
3 = high
2 = moderate
1 = slight
0 = insignificant
N = no NFPA rating

The product is normally supplied in a stabilized form. If the permissible storage period and/or storage temperature is exceeded, the product may polymerize with heat evolution.

This MSDS was prepared in accordance with ANSI Z400.1-1998.

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Places marked by || have been amended from the last version.

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Date of printing : 10/22/2008

EPAHO040003283

H&H Oil L.P. (SANTER IDEAL CASE)
oily WATER

JB
direct
~~assigned~~

Customer Special Requests/Requirements

P.O. Required:

☐ Y☒ N

Fuel Surcharge:

☒ Y☐ N

4% City of Houston Fee:

☐ Y☒ N

4-hr Minimum:

☒ Y☐ N

Job Estimate

Item	CES Cost	Customer Charge
5/20/09 TRANS. 12.25 hrs		1041.25
9.50% FSC		98.92
Recycle-CES BOL 86482- 5000		750.00
5/20 TRANS- 9.75 hrs		828.75
9.50% FSC		78.74
Recycle-CES BOL 86482- 5000		850.00
5/24 TRANS- 11.25 hrs		956.25
9.50% FSC		90.85
4/3 Recycle-CES BOL 86482- 2750		440.00
Pb compliance fee	51.35	51.35
INV# 56735	51.35	5186.11
	5134.76	
6/15/09 TRANS-CES 7.75 hr		658.75
9.50% FSC		62.58
4/3 Recycle-CES BOL 87632 d/w 4800 g.		1200.00
TDC 35040 Phenol 20 1% compliance	19.21	19.21
	19.21	1940.54
	1921.33	
7/101 TRANS- WASHOUT 10.25 hrs		175.00
13.59% FSC		871.25
Recycle-CES BOL 884411- TDC 33820 5000	1050.00	117.62
7/9 TRANS- 9.25 hrs		786.25
13.59% FSC		106.15
Recycle-CES BOL 88721- TDC 33820 5000		1250.00
7/15 TRANS- 9.50 hrs		807.50
13.59% FSC		109.02
4/3 Recycle-CES BOL 88750- TDC 33820 5000	600.00	750.00
1% energy fee	29.00	32.50
1% compliance fee	57.27	60.87
	54.02	57.27
INV# 5786	86.02	6141.10
Adjustment -252.04		5889.06
Adjustment		5644.79
		5872.79



**CES Environmental
Services, Inc.**

Invoice

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Date	Invoice #
7/21/2009	57786

Bill To: H&H Oil LP
20909 FM 685
Pflugerville, Texas 78660
Attn: Crystal Reininger

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
10.25	07/01/09 Transportation services by CES @ \$85.00 per hour 13.5% Fuel Surcharge	BOL 88444	85.00	871.25
			117.62	117.62
5,000	Recycling of Non RCRA / Non DOT regulated oily water @ \$0.21 per gallon (TOC 33820 & 25ppm)		0.21	1,050.00
9.25	07/09/09 Transportation services by CES @ \$85.00 per hour 13.5% Fuel Surcharge	BOL 88721	85.00	786.25
			106.15	106.15
5,000	Recycling of Non RCRA / Non DOT regulated oily water @ \$0.25 per gallon (TOC 23320 & 10% solids)		0.25	1,250.00
9.5	07/13/09 Transportation services by CES @ \$85.00 per hour 13.5% Fuel Surcharge	BOL 88850	85.00	807.50
			109.02	109.02
5,000	Recycling of Non RCRA / Non DOT regulated oily water @ \$0.15 per gallon (TOC 8710 & 5% solids)		0.12	600.00
1	Washout		175.00	175.00
	1% Energy Surcharge		29.00	29.00
	1% Compliance Fee		59.02	59.02

We appreciate your business!

Subtotal \$5,960.81

Late Payment Policy: Any unpaid balances beginning on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

Sales Tax (8.25%) \$0.00

Total \$5,960.81

241

**CES Environmental
Services, Inc.**

Bill Of Lading # :

88444

 Folder ID : H & H Oil, L.P. (Pflugerville, TX)
Oily Water

Original - Shipper Provided Short Form Straight Bill of Lading - Not Negotiable - Domestic

SHIPPED FROM :
 H & H Oil, L.P.
20909 FM 685
Pflugerville, TX 77860
(800) 777-1498
CES Profile #
 11a) HOU-2836
11b)
11c)
11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its unusual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of bill or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

For payment: Charges to be billed to Shipper or the "Billed to" party are set forth in the governing contract with Shipper. No charges other than those contained therein may be billed to Shipper or the "Billed to" party without prior written consent of Shipper. The extra copy of this Bill of Lading, furnished at the time of shipment, must be attached to the freight bill submitted to Shipper or the "Billed to" party and sent to:

CONSIGNEE TO :
 CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021
CARRIER :
 CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this Shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 392.542 implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			
No	1	TT	5,000	G	Non-RCRA/Non-DOT Regulated Oily water

Shipper : H & H Oil, L.P.

Per Monica Alder Signature :

Date : 7-1-09

Carrier CES Environmental Services, Inc.

Per : Matt Taylor Signature : Matt Taylor

Date : 7/1/09

Receiving Facility CES Environmental Services, Inc.

Per : Al Longoria Signature : Al Longoria

Date : 7/1/09

White (Generator Return Copy)

Yellow (Transporter Copy)

Pink (Receiving Facility Copy)

Golden Rod (Generator 1st Copy)

EPAHQ040003289

H&H Oil, L.P. - Service Order/Bill of Lading

A 0008274

ACCT #

GENERATOR NAME & ADDRESS		CONTACT NAME, PHONE & EPA ID			
H&H Oil LP 20909 FM 685 Pflugerville TX 78660					
TRANSPORTER		TRANSPORTER CONTACT, TRANS ID, & EPA ID			
H&H Oil, L.P. 20909 FM 685 Pflugerville, TX 78660		Operations Manager—800-777-1498 A85213 TXD987990884			
RECEIVING FACILITY NAME & ADDRESS		CONTACT NAME, PHONE & EPA ID			
Ces 4904 Griggs Rd. Houston TX					
NON HAZARDOUS RESIDUALS		SET	P/U	PRICE EACH	TOTAL
USED OIL					
USED OIL FILTERS					
USED ANTIFREEZE					
OILY ABSORBENTS					
SPECIFICATION USED OIL					
OILY WATER			5000		
GRIT TRAP					
YELLOW GREASE					
OTHER:					
SPECIAL INSTRUCTIONS:		SUBTOTAL			
		TAX			
Sniffer <input type="checkbox"/> Pass <input type="checkbox"/> Fail Field Kit <input type="checkbox"/> Pass <input type="checkbox"/> Fail Total Halogens <input type="checkbox"/> > 1000 <input type="checkbox"/> < 1000		Is the material a "Hazardous Waste" as defined by 40 CFR 261.3? <input type="checkbox"/> Yes <input type="checkbox"/> No		AMT DUE	
Is this facility a Conditionally Ex- empt Small Quantity Generator (CESQG) as defined by 40 CFR 261.5? <input type="checkbox"/> Yes <input type="checkbox"/> No		Is the material regu- lated under TSCA 40 CFR 761? (PCBs) <input type="checkbox"/> Yes <input type="checkbox"/> No		GENERATOR BILLING INFORMATION Address same as above? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, enter billing address be- low.	

On behalf of the Generator, I hereby certify that the information on this form is true and accurate, and no willful omissions or misrepresentations of the material have been made. If the material collected is used oil as defined by 40 CFR part 279, the Generator certifies that the total halogen content is less than 1,000ppm, or the Generator hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The Generator will be responsible for any and all costs including, but not limited to, proper disposal, testing and transportation if the material is determined to be a hazardous waste or contains PCBs.

GENERATOR SIGNATURE / DATE	DRIVER SIGNATURE / DATE
Monica Aldrete	Matt Taylor 7/1/09

Receiving Facility Signature

Date received

20909 FM-685, Pflugerville, TX 78660 Phone: 512-990-1498; Fax: 512-990-1388; Toll Free: 800-777-1498

EPAHQ040003290



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 876-1460
Fax. (713) 876-1676

Transportation Work Ticket

Folder ID : H & H Oil, L.P. (Pflugerville, TX)
Oily Water

Date : 7/1/2009

Manifest # :

H & H Oil, L.P.

Client :

Ticket :

88444

Phone : 8007771498

Consignee :

CES Environmental Services, Inc.

Transporter :

CES Environmental Services, Inc.

Signature

Monice Alder

Signature

Leave CES Yard : 5:15

Arrive At Destination 2:30

Arrive At Customer : 8:30

Begin Unloading :

Begin Loading : 9:05

Finish Unloading : 3:30

Finish Loading : 9:40

Leave Destination :

Leave Customer : 10:20

Arrive At CES Yard :

Customer PO #:

Total Hours:

10.25

CES Unload:



Gross Weight :

Ending Odometer : 277054

Tare Weight :

Beginning Odometer : 276685

Net Weight :

Total Miles :

269

Driver : Taylor, Matthew

Tractor # : 280

Tote # :

Signature :

Taylor

Trailer # : 286241

Box # :

Job Comments/Equipment :

White (CES Office)

Yellow (CES Office / Billing)

Pink (CES Office / IFTA)

Golden Rod (Customer)

EPAHO040003291

Inbound Load Report

Job Number : 88444
Type of Material: Oily water emulsion

Job Date: 7/1/2009
Bill of Lading #: 88444
Customer: H & E Equipment

Gross Weight: _____
Tare Weight: _____ **OR** **Total Gallons Shipped:** 5000
Net Weight: _____

Shipping Information

Carrier: CES Environmental Services, Inc.
Truck Number: _____
Trailer Number: 241

CES Laboratory Use Only

Specific Gravity: _____
Pounds per Gallon: _____
Temperature: _____
Total Gross Gallons: 5000
% Water _____
% Solids _____
Total Net Gallons: 5000
(minus water and solids)

Misc Notes:

85 % water
15 % Rag

pH 6
TOC 33820
Phenol 25
Recommended surcharge of .11/gal
Total price of .21/gal

Sample Analyst: _____
(signature)

Sample Analyst: Al Longoria **Date:** 7/1/2009



**CES Environmental
Services, Inc.**

Bill Of Lading # :

88721

Folder ID : H & H Oil, L.P. (Pflugerville, TX)
Oily Water

Original - Shipper Provided Short Form Straight Bill of Lading - Not Negotiable - Domestic

SHIPPED FROM :

H & H Oil, L.P.
20909 FM 685
Pflugerville, TX 77860
(800) 777-1498

CES Profile #

11a) HOU-2836
11b)
11c)
11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its unusual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

For payment: Charges to be billed to Shipper or the "Billed to" party are set forth in the governing contract with Shipper. No charges other than those contained therein may be billed to Shipper or the "Billed to" party without prior written consent of Shipper. The extra copy of this Bill of Lading, furnished at the time of shipment, must be attached to the freight bill submitted to Shipper or the "Billed to" party and sent to:

CONSIGNEE TO :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

CARRIER :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this Shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.54 implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			
No	1	TT	5,000	G	Non-RCRA/Non-DOT Regulated Oily water

Shipper : H & H Oil, L.P.

Per : [Signature] Signature : Monica [Signature] Date : 7/9/09

Carrier CES Environmental Services, Inc.

Per : Matt Taylor Signature : Matt Taylor Date : 7/9/09

Receiving Facility CES Environmental Services, Inc.

Per : Al Longoria Signature : [Signature] Date : 7/9/09

White (Generator Return Copy)

Yellow (Transporter Copy)

Pink (Receiving Facility Copy)

Golden Rod (Generator 1st Copy)

EPAHO040003293

H&H Oil, L.P. - Service Order/Bill of Lading

A.0008470

ACCT #

GENERATOR NAME & ADDRESS		CONTACT NAME, PHONE & EPA ID	
H&H Oil LP 20909 FM 685 Pflugerville TX			
TRANSPORTER		TRANSPORTER CONTACT, TRANS ID, & EPA ID	
H&H Oil, L.P. 20909 FM 685 Pflugerville, TX 78660		Operations Manager—800-777-1498 A85213 TXD987990884	
RECEIVING FACILITY NAME & ADDRESS		CONTACT NAME, PHONE & EPA ID	
Ces. Houston			
NON HAZARDOUS RESIDUALS	SET	P/U	PRICE EACH
USED OIL			
USED OIL FILTERS			
USED ANTIFREEZE			
OILY ABSORBENTS			
SPECIFICATION USED OIL			
OILY WATER		5000	
GRIT TRAP			
YELLOW GREASE			
OTHER:			
SPECIAL INSTRUCTIONS:		SUBTOTAL	
		TAX	
Sniffer <input type="checkbox"/> Pass <input type="checkbox"/> Fail	Is the material a "Hazardous Waste" as defined by 40 CFR 261.3?	AMT DUE	
Field Kit <input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Total Halogens <input type="checkbox"/> > 1000 <input type="checkbox"/> < 1000		GENERATOR BILLING INFORMATION	
		Address same as above? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, enter billing address below.	
Is this facility a Conditionally Exempt Small Quantity Generator (CESQG) as defined by 40 CFR 261.5?	Is the material regulated under TSCA 40 CFR 761? (PCBs)		
<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
On behalf of the Generator, I hereby certify that the information on this form is true and accurate, and no willful omissions or misrepresentations of the material have been made. If the material collected is used oil as defined by 40 CFR part 279, the Generator certifies that the total halogen content is less than 1,000ppm, or the Generator hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The Generator will be responsible for any and all costs including, but not limited to, proper disposal, testing and transportation if the material is determined to be a hazardous waste or contains PCBs.			
GENERATOR SIGNATURE / DATE		DRIVER SIGNATURE / DATE	
Manuel Alcala		Taylor	

Receiving Facility Signature

Date received

20909 FM-685, Pflugerville, TX 78660 Phone: 512-990-1498; Fax: 512-990-1388; Toll Free: 800-777-1498

EPAHQ040003294

**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : H & H Oil, L.P. (Pflugerville, TX)
Oily Water

Date : 7/9/2009

Manifest # :

H & H Oil, L.P.

Client :

Ticket :

88721

Phone : 8007771498

CES Environmental Services, Inc.

Consignee :

CES Environmental Services, Inc.

Transporter :

Signature

Signature

Leave CES Yard :

7:40

Arrive At Destination

4:00

Arrive At Customer :

11:20

Begin Unloading :

Begin Loading :

11:30

Finish Unloading :

Finish Loading :

11:50

Leave Destination :

Leave Customer :

12:00

Arrive At CES Yard :

Customer PO #:

Total Hours:

CES Unload:

Gross Weight :

Ending Odometer :

Tare Weight :

Beginning Odometer :

Net Weight :

Total Miles :

Driver : Taylor, Matthew

Tractor # : 280

Tote # :

Signature :

Trailer # : 252

Box # :

Job Comments/Equipment :

White (CES Office)

Yellow (CES Office / Billing)

Pink (CES Office / IFTA)

Golden Rod (Customer)

EPAHO040003295



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Inbound Load Report

Job Number : 88721
Type of Material: Oily Waste

Job Date: 7/9/2009
Bill of Lading #: 88721
Customer: H & H Oil, L.P.

Gross Weight: _____
Tare Weight: _____ **OR** **Total Gallons Shipped:** 5000
Net Weight: _____

Shipping Information

Carrier: CES Environmental Services, Inc.
Truck Number: _____
Trailer Number: 270

CES Laboratory Use Only

Specific Gravity: _____
Pounds per Gallon: _____
Temperature: _____
Total Gross Gallons: 5000
% Water _____
% Solids 10%
Total Net Gallons: 5000
(minus water and solids)

Misc Notes:

pH= 7
TOC= 23320
Phenol= 20
Solids= 10%
FP >140
10% Org 10% Rag 70% H2O

DRS recommended surcharges: TOC= \$ 0.07 / gal
Phenol= \$ 0.04 / gal
Solids= \$0.04 / gal

Sample Analyst: _____
(signature)

Sample Analyst: Julius Prantil

Date: 7/9/2009

**CES Environmental
Services, Inc.**

Bill Of Lading # :

88850

Folder ID :

**H & H Oil, L.P. (Pflugerville, TX)
Oily Water**

Original - Shipper Provided Short Form Straight Bill of Lading - Not Negotiable - Domestic

SHIPPED FROM :

**H & H Oil, L.P.
20909 FM 685
Pflugerville, TX 77860
(800) 777-1498**

CES Profile #

**11a) HOU-2836
11b)
11c)
11c)**

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its unusual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

For payment: Charges to be billed to Shipper or the "Billed to" party are set forth in the governing contract with Shipper. No charges other than those contained therein may be billed to Shipper or the "Billed to" party without prior written consent of Shipper. The extra copy of this Bill of Lading, furnished at the time of shipment, must be attached to the freight bill submitted to Shipper or the "Billed to" party and sent to:

CONSIGNEE TO :

**CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021**

CARRIER :

**CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021**

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this Shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.549 implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			
No	1	TT	5000	G	Non-RCRA/Non-DOT Regulated Oily water

Shipper : H & H Oil, L.P.

Per : X

Signature : Monica Alderson **Date :** 7/13/09

Carrier CES Environmental Services, Inc.

Per : Matt Taylor

Signature : Matt Taylor **Date :** 7/13/09

Receiving Facility CES Environmental Services, Inc.

Per : Al Longoria

Signature : [Signature] **Date :** 7/13/09

White (Generator Return Copy)

Yellow (Transporter Copy)

Pink (Receiving Facility Copy)

Golden Rod (Generator 1st Copy)

H&H Oil, L.P. - Service Order/Bill of Lading

A.0008485

ACCT #

GENERATOR NAME & ADDRESS		CONTACT NAME, PHONE & EPA ID			
H&H Oil 20909 FM 685 Pflugerville TX					
TRANSPORTER		TRANSPORTER CONTACT, TRANS ID, & EPA ID			
H&H Oil, L.P. 20909 FM 685 Pflugerville, TX 78660		Operations Manager—800-777-1498 A85213 TXD987990884			
RECEIVING FACILITY NAME & ADDRESS		CONTACT NAME, PHONE & EPA ID			
CES 4904 9199 Houston TX					
NON HAZARDOUS RESIDUALS	SET	P/U	PRICE EACH	TOTAL	
USED OIL					
USED OIL FILTERS					
USED ANTIFREEZE					
OILY ABSORBENTS					
SPECIFICATION USED OIL					
OILY WATER		5000			
GRIT TRAP					
YELLOW GREASE					
OTHER:					
SPECIAL INSTRUCTIONS:		SUBTOTAL			217.27
		TAX			
Sniffer <input type="checkbox"/> Pass <input type="checkbox"/> Fail Field Kit <input type="checkbox"/> Pass <input type="checkbox"/> Fail	Is the material a "Hazardous Waste" as defined by 40 CFR 261.3? <input type="checkbox"/> Yes <input type="checkbox"/> No				AMT DUE 217.27
Total Halogens <input type="checkbox"/> > 1000 <input type="checkbox"/> < 1000					
		GENERATOR BILLING INFORMATION			
		Address same as above? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, enter billing address below.			
Is this facility a Conditionally Ex- empt Small Quantity Generator (CESQG) as defined by 40 CFR 261.5? <input type="checkbox"/> Yes <input type="checkbox"/> No	Is the material regu- lated under TSCA 40 CFR 761? (PCBs) <input type="checkbox"/> Yes <input type="checkbox"/> No				
On behalf of the Generator, I hereby certify that the information on this form is true and accurate, and no willful omissions or misrepresentations of the material have been made. If the material collected is used oil as defined by 40 CFR part 279, the Generator certifies that the total halogen content is less than 1,000ppm, or the Generator hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The Generator will be responsible for any and all costs including, but not limited to, proper disposal, testing and transportation if the material is determined to be a hazardous waste or contains PCBs.					
GENERATOR SIGNATURE / DATE		DRIVER SIGNATURE / DATE			
Monica Alder		[Signature] 7/13/09			

Receiving Facility Signature

Date received

20909 FM-685, Pflugerville, TX 78660 Phone: 512-990-1498; Fax: 512-990-1388; Toll Free: 800-777-1498

EPAHQ040003298



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : H & H Oil, L.P. (Pflugerville, TX)
Oily Water

Date : 7/13/2009

Manifest # : _____

H & H Oil, L.P.

Client : _____

Ticket : 88850

Phone : 8007771498

CES Environmental Services, Inc.

Consignee : _____

CES Environmental Services, Inc.

Transporter : _____

Signature

Monica Alders

Signature _____

Leave CES Yard : 6:30

Arrive At Destination 2:00

Arrive At Customer : 9:50

Begin Unloading : _____

Begin Loading : 10:05

Finish Unloading : 4:00

Finish Loading : 10:45

Leave Destination : _____

Leave Customer : 11:00

Arrive At CES Yard : _____

Customer PO # : _____

Total Hours : 9.50

CES Unload: ☒

Gross Weight : _____

Ending Odometer 228228

Tare Weight : _____

Beginning Odometer : 277408

Net Weight : _____

Total Miles : 370

Driver : Taylor, Matthew

Tractor # : 280

Tote # : _____

Signature : *Taylor*

Trailer # : 271

Box # : _____

Job Comments/Equipment : _____

White (CES Office)

Yellow (CES Office / Billing)

Pink (CES Office / IFTA)

Golden Rod (Customer)

EPAHO040003299



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Inbound Load Report

Job Number : 88850
Type of Material: Oily Water

Job Date: 7/13/2009
Bill of Lading #: 88850
Customer: H & H Oil, L.P.

Gross Weight: _____
Tare Weight: _____ **OR** **Total Gallons Shipped:** 5000
Net Weight: _____

Shipping Information

Carrier: CES Environmental Services, Inc.
Truck Number: _____
Trailer Number: 271

CES Laboratory Use Only

Specific Gravity: _____
Pounds per Gallon: _____
Temperature: _____
Total Gross Gallons: 5000
% Water _____
% Solids 5%
Total Net Gallons: 5000
(minus water and solids)

Misc Notes:

Ph= 5.5
TOC= 8710
Phenol= 10
Solids= 5%

DRS recommended surcharge: TOC= \$0.02 /gal
Solids= \$0.03 /gal

Total surcharge @ \$0.12 per gallon

Sample Analyst: _____
(signature)

Sample Analyst: Julius Prantil

Date: 7/13/2009



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

Date	Invoice #
7/21/2009	57786

copy

Bill To: H&H Oil LP
20909 FM 685
Pflugerville, Texas 78660
Attn: Crystal Reininger

		P.O. No.	Terms	Project	
			Net 30		
Quantity	Description	Manifest #	Rate	Amount	
10.25	07/01/09 Transportation services by CES @ \$85.00 per hour 13.5% Fuel Surcharge	BOL 88444	85.00	871.25	
			117.62	117.62	
5,000	Recycling of Non RCRA / Non DOT regulated oily water @ \$0.21 per gallon (TOC 33820 & 25ppm)		0.21	1,050.00	
9.25	07/09/09 Transportation services by CES @ \$85.00 per hour 13.5% Fuel Surcharge	BOL 88721	85.00	786.25	
			106.15	106.15	
5,000	Recycling of Non RCRA / Non DOT regulated oily water @ \$0.25 per gallon (TOC 23320 & 10% solids)		0.25	1,250.00	
9.5	07/13/09 Transportation services by CES @ \$85.00 per hour 13.5% Fuel Surcharge	BOL 88850	85.00	807.50	
			109.02	109.02	
5,000	Recycling of Non RCRA / Non DOT regulated oily water @ \$0.15 per gallon (TOC 8710 & 5% solids)		0.12	600.00	
1	Washout		175.00	175.00	
	1% Energy Surcharge		29.00	29.00	
	1% Compliance Fee		59.02	59.02	
We appreciate your business!			Subtotal	\$5,960.81	
Late Payment Policy: Any unpaid balances beginning on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.			Sales Tax (8.25%)	\$0.00	
			Total	\$5,960.81	

241



CES Environmental Services, Inc.

Bill Of Lading # :

88444

Folder ID :	H & H Oil, L.P. (Pflugerville, TX) Oily Water
-------------	--

Original - Shipper Provided Short Form Straight Bill of Lading - Not Negotiable - Domestic

SHIPPED FROM :

H & H Oil, L.P.
20909 FM 685
Pflugerville, TX 77860
(800) 777-1498

CES Profile #

11a) HOU-2836
11b)
11c)
11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods. It is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

For payment: Charges to be billed to shipper or the "Billed to" party are set forth in the governing contract with shipper. No charges other than those contained therein may be billed to shipper or the "Billed to" party without prior written consent of shipper. The extra copy of this Bill of Lading, furnished at the time of shipment, must be attached to the freight bill submitted to shipper or the "Billed to" party and sent to:

CONSIGNEE TO :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

CARRIER :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this Shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.549 implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			

No	1	TT	5,000	G	Non-RCRA/Non-DOT Regulated Oily water
----	---	----	-------	---	---------------------------------------

Shipper : H & H Oil, L.P.

Per: Monica Alden Signature: _____ Date: 7-1-09

Carrier : CES Environmental Services, Inc.

Per: Matt Taylor Signature: Matt Taylor Date: 7/1/09

Receiving Facility : CES Environmental Services, Inc.

Per: Al Longoria Signature: _____ Date: 7/1/09

White (Generator Return Copy)

Yellow (Transporter Copy)

Pink (Receiving Facility Copy)

Golden Rod (Generator 1st Copy)

H&H Oil, L.P. - Service Order/Bill of Lading

A 0008274

ACCT #

GENERATOR NAME & ADDRESS		CONTACT NAME, PHONE & EPA ID	
H&H Oil LP 20909 FM 685 Pflugerville TX 78660			
TRANSPORTER		TRANSPORTER CONTACT, TRANS ID, & EPA ID	
H&H Oil, L.P. 20909 FM 685 Pflugerville, TX 78660		Operations Manager—800-777-1498 A85213 TXD987990884	
RECEIVING FACILITY NAME & ADDRESS		CONTACT NAME, PHONE & EPA ID	
Ces 4904 Griggs Rd. Houston TX			
NON HAZARDOUS RESIDUALS	SET	P/U	PRICE EACH
USED OIL			
USED OIL FILTERS			
USED ANTIFREEZE			
OILY ABSORBENTS			
SPECIFICATION USED OIL			
OILY WATER		5,000	
GRIT TRAP			
YELLOW GREASE			
OTHER:			
SPECIAL INSTRUCTIONS:		SUBTOTAL	
		TAX	
Sniffer <input type="checkbox"/> Pass <input type="checkbox"/> Fail Field Kit <input type="checkbox"/> Pass <input type="checkbox"/> Fail	Is the material a "Hazardous Waste" as defined by 40 CFR 261.3? <input type="checkbox"/> Yes <input type="checkbox"/> No		AMT DUE
Total Halogens <input type="checkbox"/> > 1000 <input type="checkbox"/> < 1000			
Is this facility a Conditionally Exempt Small Quantity Generator (CESQG) as defined by 40 CFR 261.5? <input type="checkbox"/> Yes <input type="checkbox"/> No		Is the material regulated under TSCA 40 CFR 761? (PCBs) <input type="checkbox"/> Yes <input type="checkbox"/> No	
On behalf of the Generator, I hereby certify that the information on this form is true and accurate, and no willful omissions or misrepresentations of the material have been made. If the material collected is used oil as defined by 40 CFR part 279, the Generator certifies that the total halogen content is less than 1,000ppm, or the Generator hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The Generator will be responsible for any and all costs including, but not limited to, proper disposal, testing and transportation if the material is determined to be a hazardous waste or contains PCBs.			
GENERATOR SIGNATURE / DATE		DRIVER SIGNATURE / DATE	
Monica Aldut		Matt Taylor 7/1/09	

Receiving Facility Signature _____ Date received _____

**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1480
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : H & H Oil, L.P. (Pflugerville, TX)
Oily Water

Date : 7/1/2009

Manifest # : _____

H & H Oil, L.P.

Client : _____

Ticket : 28444

Phone : 5007771498

Consignee : CES Environmental Services, Inc.

CES Environmental Services, Inc.

Transporter : _____

Signature *Monica Alder*

Signature _____

Leave CES Yard : 5:15

Arrive At Destination 2:30

Arrive At Customer : 8:30

Begin Unloading : _____

Begin Loading : 9:05

Finish Unloading : 3:30

Finish Loading : 9:40

Leave Destination : _____

Leave Customer : 10:20

Arrive At CES Yard : _____

Customer PO # : _____

Total Hours:

1025

CES Unload: ☒

Gross Weight : _____

Ending Odometer : 277054

Tare Weight : _____

Beginning Odometer : 276685

Net Weight : _____

Total Miles : 369

Driver : Taylor, Matthew

Tractor # : 280

Tote # : _____

Signature : *Taylor*

Trailer # : ~~280~~ 241

Box # : _____

Job Comments/Equipment : _____

White (CES Office)

Yellow (CES Office / Billing)

Pink (CES Office / IFTA)

Golden Rod (Customer)

EPAHO040003304

Inbound Load Report

Job Number : 88444
Type of Material: Oily water emulsion

Job Date: 7/1/2009
Bill of Lading #: 88444
Customer: H & E Equipment

Gross Weight: _____
Tare Weight: _____ **OR** **Total Gallons Shipped:** 5000
Net Weight: _____

Shipping Information

Carrier: CES Environmental Services, Inc.
Truck Number: _____
Trailer Number: 241

CES Laboratory Use Only

Specific Gravity: _____
Pounds per Gallon: _____
Temperature: _____
Total Gross Gallons: 5000
% Water _____
% Solids _____
Total Net Gallons: 5000
(minus water and solids)

Misc Notes:

85 % water
15 % Rag

pH 6
TOC 33820
Phenol 25
Recommended surcharge of .11/gal
Total price of .21/gal

Sample Analyst: _____
(signature)

Sample Analyst: Al Longoria **Date:** 7/1/2009



**CES Environmental
Services, Inc.**

274
Bill Of Lading # :

88721

Folder ID : H & H Oil, L.P. (Pflugerville, TX)
Oily Water

Original - Shipper Provided Short Form Straight Bill of Lading - Not Negotiable - Domestic

SHIPPED FROM :

H & H Oil, L.P.
20909 FM 685
Pflugerville, TX 77860
(800) 777-1498

CES Profile #

11a) HOU-2836
11b)
11c)
11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its unusual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

For payment: Charges to be billed to Shipper or the "Billed to" party are set forth in the governing contract with Shipper. No charges other than those contained therein may be billed to Shipper or the "Billed to" party without prior written consent of Shipper. The extra copy of this Bill of Lading, furnished at the time of shipment, must be attached to the freight bill submitted to Shipper or the "Billed to" party and sent to:

CONSIGNEE TO :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

CARRIER :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.54(b) implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			
No	1	TI	5,000	G	Non-RCRA/Non-DOT Regulated Oily water

Shipper : H & H Oil, L.P.

Per : X

Signature : Monica H. Allen

Date : 7/9/09

Carrier : CES Environmental Services, Inc.

Per : Matt Taylor

Signature : Matt Taylor

Date : 7/9/09

Receiving Facility : CES Environmental Services, Inc.

Per : Al Longoria

Signature : Al Longoria

Date : 7/9/09

White (Generator Return Copy)

Yellow (Transporter Copy)



Pink (Receiving Facility Copy)

Golden Rod (Generator 1st Copy)

H&H Oil, L.P. - Service Order/Bill of Lading

A 0008470

ACCT #

GENERATOR NAME & ADDRESS		CONTACT NAME, PHONE & EPA ID	
H&H Oil LP 20909 FM 685 Pflugerville TX			
TRANSPORTER		TRANSPORTER CONTACT, TRANS ID, & EPA ID	
H&H Oil, L.P. 20909 FM 685 Pflugerville, TX 78660		Operations Manager—800-777-1498 A85213 TXD987990884	
RECEIVING FACILITY NAME & ADDRESS		CONTACT NAME, PHONE & EPA ID	
Ces. Houston			
NON HAZARDOUS RESIDUALS	SET	P/U	PRICE EACH
USED OIL			
USED OIL FILTERS			
USED ANTIFREEZE			
OILY ABSORBENTS			
SPECIFICATION USED OIL			
OILY WATER		5000	
GRIT TRAP			
YELLOW GREASE			
OTHER:			
SPECIAL INSTRUCTIONS:		SUBTOTAL	
		TAX	
Sniffer <input type="checkbox"/> Pass <input type="checkbox"/> Fail	Field Kit <input type="checkbox"/> Pass <input type="checkbox"/> Fail	AMT DUE	
Total Halogens <input type="checkbox"/> > 1000 <input type="checkbox"/> < 1000	Is the material a "Hazardous Waste" as defined by 40 CFR 261.3? <input type="checkbox"/> Yes <input type="checkbox"/> No	GENERATOR BILLING INFORMATION	
Is this facility a Conditionally Exempt Small Quantity Generator (CESQG) as defined by 40 CFR 261.5? <input type="checkbox"/> Yes <input type="checkbox"/> No		Address same as above? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, enter billing address below.	
Is the material regulated under TSCA 40 CFR 761? (PCBs) <input type="checkbox"/> Yes <input type="checkbox"/> No			
<p>On behalf of the Generator, I hereby certify that the information on this form is true and accurate, and no willful omissions or misrepresentations of the material have been made. If the material collected is used oil as defined by 40 CFR part 279, the Generator certifies that the total halogen content is less than 1,000ppm, or the Generator hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The Generator will be responsible for any and all costs including, but not limited to, proper disposal, testing and transportation if the material is determined to be a hazardous waste or contains PCBs.</p>			
GENERATOR SIGNATURE / DATE		DRIVER SIGNATURE / DATE	
			

Receiving Facility Signature

Date received

20909 FM-685, Pflugerville, TX 78660 Phone: 512-990-1498; Fax: 512-990-1388; Toll Free: 800-777-1498

EPAHQ040003307



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : H & H Oil, L.P. (Pflugerville, TX)
Oily Water

Date : 7/9/2009 Manifest # : _____

H & H Oil, L.P.

Client : _____ Ticket : 88721

Phone : 8007771498 Consignee : CES Environmental Services, Inc.

CES Environmental Services, Inc.

Transporter : _____

Signature [Signature] Signature _____

Leave CES Yard :	<u>7:40</u>	Arrive At Destination	<u>4:00</u>
Arrive At Customer :	<u>11:20</u>	Begin Unloading :	_____
Begin Loading :	<u>11:30</u>	Finish Unloading :	<u>5:00</u>
Finish Loading :	<u>11:50</u>	Leave Destination :	_____
Leave Customer :	<u>12:00</u>	Arrive At CES Yard :	_____

Customer PO # : _____

Total Hours : _____

9.25

CES Unload: [Signature]

Gross Weight :	_____	Ending Odometer :	<u>277803</u>
Tare Weight :	_____	Beginning Odometer :	<u>277432</u>
Net Weight :	_____	Total Miles :	<u>370</u>

Driver : Taylor, Matthew Tractor # : 280 Tote # : _____

Signature : [Signature] Trailer # : 252-270 Box # : _____

Job Comments/Equipment : _____

White (CES Office)

Yellow (CES Office / Billing)

Pink (CES Office / IFTA)

Golden Rod (Customer)

EPAHQ040003308

Inbound Load Report

Job Number : 88721
Type of Material: Oily Wate

Job Date: 7/9/2009
Bill of Lading #: 88721
Customer: H & H Oil, L.P.

Gross Weight: _____
Tare Weight: _____ **OR** **Total Gallons Shipped:** 5000
Net Weight: _____

Shipping Information

Carrier: CES Environmental Services, Inc.
Truck Number: _____
Trailer Number: 270

CES Laboratory Use Only

Specific Gravity: _____
Pounds per Gallon: _____
Temperature: _____
Total Gross Gallons: 5000
% Water _____
% Solids 10%
Total Net Gallons: 5000
(minus water and solids)

Misc Notes:

pH= 7
TOC= 23320
Phenol= 20
Solids= 10%
FP >140
10% Org 10% Rag 70% H2O

DRS recommended surcharges: TOC= \$ 0.07 / gal
Phenol= \$ 0.04 / gal
Solids= \$0.04 / gal

Sample Analyst: _____
(signature)

Sample Analyst: Julius Prantil **Date:** 7/9/2009

**CES Environmental
Services, Inc.**

Bill Of Lading # :

88850

Folder ID :

H & H Oil, L.P. (Pflugerville, TX)
Oily Water

Original - Shipper Provided Short Form Straight Bill of Lading - Not Negotiable - Domestic

SHIPPED FROM :

H & H Oil, L.P.
20909 FM 685
Pflugerville, TX 77860
(800) 777-1498

CES Profile #

11a) HOU-2836
11b)
11c)
11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its unusual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

For payment: Charges to be billed to Shipper or the "Billed to" party are set forth in the governing contract with Shipper. No charges other than those contained therein may be billed to Shipper or the "Billed to" party without prior written consent of Shipper. The extra copy of this Bill of Lading, furnished at the time of shipment, must be attached to the freight bill submitted to Shipper or the "Billed to" party and sent to:

CONSIGNEE TO :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

CARRIER :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

This is to certify that the product(s) below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 590.54(b) implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			

No	1	TT	5000	G	Non-RCRA/Non-DOT Regulated Oily water
----	---	----	------	---	---------------------------------------

Shipper : H & H Oil, L.P.

Per : *X*

Signature : *Monica Alder*

Date : *7/13/09*

Carrier CES Environmental Services, Inc.

Per : *Matt Taylor*

Signature : *Matt Taylor*

Date : *7/13/09*

Receiving Facility CES Environmental Services, Inc.

Per : *Al Longoria*

Signature : *[Signature]*

Date : *7/13/09*

White (Generator Return Copy)

Yellow (Transporter Copy)

Pink (Receiving Facility Copy)

Golden Rod (Generator 1st Copy)

H&H Oil, L.P. - Service Order/Bill of Lading

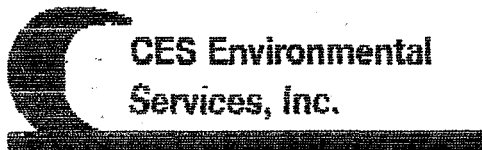
A 0008485

ACCT #

GENERATOR NAME & ADDRESS		CONTACT NAME, PHONE & EPA ID	
<i>H&H Oil</i> <i>20909 FM 685</i> <i>Pflugerville TX</i>			
TRANSPORTER		TRANSPORTER CONTACT, TRANS ID, & EPA ID	
H&H Oil, L.P. 20909 FM 685 Pflugerville, TX 78660		Operations Manager—800-777-1498 A85213 TXD987990884	
RECEIVING FACILITY NAME & ADDRESS		CONTACT NAME, PHONE & EPA ID	
<i>CES</i> <i>4904 Grogg</i> <i>Houston TX</i>			
NON HAZARDOUS RESIDUALS		SET	P/U
USED OIL			
USED OIL FILTERS			
USED ANTIFREEZE			
OILY ABSORBENTS			
SPECIFICATION USED OIL			
OILY WATER			<i>8000</i>
GRIT TRAP			
YELLOW GREASE			
OTHER:			
SPECIAL INSTRUCTIONS:		SUBTOTAL	
		TAX	
Sniffer <input type="checkbox"/> Pass <input type="checkbox"/> Fail Field Kit <input type="checkbox"/> Pass <input type="checkbox"/> Fail		Is the material a "Hazardous Waste" as defined by 40 CFR 261.3? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Total Halogens <input type="checkbox"/> > 1000 <input type="checkbox"/> < 1000			
Is this facility a Conditionally Exempt Small Quantity Generator (CESQG) as defined by 40 CFR 261.5? <input type="checkbox"/> Yes <input type="checkbox"/> No		Is the material regulated under TSCA 40 CFR 761? (PCBs) <input type="checkbox"/> Yes <input type="checkbox"/> No	
On behalf of the Generator, I hereby certify that the information on this form is true and accurate, and no willful omissions or misrepresentations of the material have been made. If the material collected is used oil as defined by 40 CFR part 279, the Generator certifies that the total halogen content is less than 1,000ppm, or the Generator hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The Generator will be responsible for any and all costs including, but not limited to, proper disposal, testing and transportation if the material is determined to be a hazardous waste or contains PCBs.			
GENERATOR SIGNATURE / DATE		DRIVER SIGNATURE / DATE	
<i>Monica Alders</i>		<i>Ray</i> <i>7/13/09</i>	

Receiving Facility Signature _____

Date received _____



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 876-1480
Fax. (713) 876-1676

Transportation Work Ticket

Folder ID : H & H Oil, L.P. (Pflugerville, TX)
Oily Water

Date : 7/13/2009 Manifest # : _____

H & H Oil, L.P.

Client : _____ Ticket : 88850

Phone : 8007771498 Consignee : CES Environmental Services, Inc.

CES Environmental Services, Inc.

Transporter : _____

Signature Monica Aldus Signature _____

Leave CES Yard : <u>6:30</u>	Arrive At Destination <u>2:00</u>
Arrive At Customer : <u>8:20</u>	Begin Unloading : _____
Begin Loading : <u>10:05</u>	Finish Unloading : <u>400</u>
Finish Loading : <u>10:45</u>	Leave Destination : _____
Leave Customer : <u>11:00</u>	Arrive At CES Yard : _____

Customer PO # : _____	Total Hours : <u>9.50</u>	CES Unload: <u>OK</u>
-----------------------	---------------------------	-----------------------

Gross Weight : _____	Ending Odometer : <u>228278</u>
Tare Weight : _____	Beginning Odometer : <u>277908</u>
Net Weight : _____	Total Miles : <u>370</u>

Driver : Taylor, Matthew Tractor # : 280 Tote # : _____

Signature : Taylor Trailer # : 271 Box # : _____

Job Comments/Equipment : _____

White (CES Office)

Yellow (CES Office / Billing)

Pink (CES Office / IFTA)

Golden Rod (Customer)

EPAHO040003312

Inbound Load Report

Job Number : 88850
Type of Material: Oily Water

Job Date: 7/13/2009
Bill of Lading #: 88850
Customer: H & H Oil, L.P.

Gross Weight: _____
Tare Weight: _____ **OR** **Total Gallons Shipped:** 5000
Net Weight: _____

Shipping Information

Carrier: CES Environmental Services, Inc.
Truck Number: _____
Trailer Number: 271

CES Laboratory Use Only

Specific Gravity: _____
Pounds per Gallon: _____
Temperature: _____
Total Gross Gallons: 5000
% Water _____
% Solids 5%
Total Net Gallons: 5000
(minus water and solids)

Misc Notes:

Ph= 5.5
TOC= 8710
Phenol= 10
Solids= 5%

DRS recommended surcharge: TOC= \$0.02 /gal
Solids= \$0.03 /gal

Total surcharge @ \$0.15 per gallon

Sample Analyst: _____
(signature)

Sample Analyst: Julius Prantil

Date: 7/13/2009



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

Date	Invoice #
7/9/2009	57534

copy

Bill To: H&H Oil LP
20909 FM 685
Pflugerville, Texas 78660
Attn: Crystal Reininger

		P.O. No.	Terms	Project	
			Net 30		
Quantity	Description	Manifest #	Rate	Amount	
7.75	6/15/09 Transportation services by CES @ \$85.00 per hour	BOL 87632	85.00	658.75	
	9.5% Fuel Surcharge		62.58	62.58	
4,800	Recycling of Non-RCRA oily water @ \$0.25 per gallon (includes surcharge TOC 35040, Phenol 20) (see attached report)		0.25	1,200.00	
	1% Compliance Fee		19.21	19.21	
We appreciate your business!		Subtotal \$1,940.54			
Late Payment Policy: Any unpaid balances beginning on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.		Sales Tax (8.25%) \$0.00			
		Total \$1,940.54			

Inbound Load Report

Job Number : 87632
Type of Material: Oily Water

Job Date: 6/15/2009
Bill of Lading #: 87632
Customer: H & H Oil, L.P.

Gross Weight: _____
Tare Weight: _____ OR Total Gallons Shipped: 4800
Net Weight: _____

Shipping Information

Carrier: CES Environmental Services, Inc.
Truck Number: _____
Trailer Number: 271

CES Laboratory Use Only

Specific Gravity: _____
Pounds per Gallon: _____
Temperature: _____
Total Gross Gallons: _____
 % Water _____
 % Solids _____ 2
Total Net Gallons: 4800
(minus water and solids)

Misc Notes:

pH= 6
TOC= 35040
Phenol= 20
Solids= 2%
~5% Oil

Sample Analyst: _____
(signature)

Sample Analyst: Julius Prantil

Date: 6/15/2009

**CES Environmental
Services, Inc.**

Bill Of Lading # :

87632

Folder ID : H & H Oil, L.P. (Pflugerville, TX)
Oily Water

Original - Shipper Provided Short Form Straight Bill of Lading - Not Negotiable - Domestic

SHIPPED FROM :

H & H Oil, L.P.
20909 FM 685
Pflugerville, TX 77360
(800) 777-1498

CES Profile #

11a) HOU-2836
11b)
11c)
11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its unusual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

For payment: Charges to be billed to Shipper or the "Billed to" party are set forth in the governing contract with Shipper. No charges other than those contained therein may be billed to Shipper or the "Billed to" party without prior written consent of Shipper. The extra copy of this Bill of Lading, furnished at the time of shipment, must be attached to the freight bill submitted to Shipper or the "Billed to" party and sent to:

CONSIGNEE TO :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

CARRIER :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.549 implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			
No	1	TT	480	G	Non-RCRA/Non-DOT Regulated Oily water

Shipper : H & H Oil, L.P.

Per : Monica Alderete Signature : Monica Alderete Date :

Carrier CES Environmental Services, Inc.

Per : N. Berry Signature : N. Berry Date : 6/15/09

Receiving Facility CES Environmental Services, Inc.

Per : AL Longoria Signature : AL Longoria Date : 6/15/09

White (Generator Return Copy)

Yellow (Transporter Copy)

Pink (Receiving Facility Copy)

Golden Rod (Generator 1st Copy)

H&H Oil, L.P. - Service Order/Bill of Lading

A 0009228

ACCT #

GENERATOR NAME & ADDRESS		CONTACT NAME, PHONE & EPA ID	
H&H Oil, L.P. 20909 FM 685 Pflugerville, TX		Ces Houston	
TRANSPORTER		TRANSPORTER CONTACT, TRANS ID, & EPA ID	
H&H Oil, L.P. 20909 FM 685 Pflugerville, TX 78660		Operations Manager—800-777-1498 A85213 TXD987990884	
RECEIVING FACILITY NAME & ADDRESS		CONTACT NAME, PHONE & EPA ID	
NON HAZARDOUS RESIDUALS	SET	P/U	PRICE EACH
USED OIL			
USED OIL FILTERS			
USED ANTIFREEZE			
OILY ABSORBENTS			
SPECIFICATION USED OIL			
OILY WATER		4800	
GRIT TRAP			
YELLOW GREASE			
OTHER:			
SPECIAL INSTRUCTIONS:		SUBTOTAL	
		TAX	
Sniffer <input type="checkbox"/> Pass <input type="checkbox"/> Fail	Is the material a "Hazardous Waste" as defined by 40 CFR 261.3? <input type="checkbox"/> Yes <input type="checkbox"/> No	AMT DUE	
Field Kit <input type="checkbox"/> Pass <input type="checkbox"/> Fail			
Total Halogens <input type="checkbox"/> > 1000 <input type="checkbox"/> < 1000		GENERATOR BILLING INFORMATION	
		Address same as above? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, enter billing address below.	
Is this facility a Conditionally Ex- empt Small Quantity Generator (CESQG) as defined by 40 CFR 261.5? <input type="checkbox"/> Yes <input type="checkbox"/> No	Is the material regu- lated under TSCA 40 CFR 761? (PCBs) <input type="checkbox"/> Yes <input type="checkbox"/> No		
On behalf of the Generator, I hereby certify that the information on this form is true and accurate, and no willful omissions or misrepresentations of the material have been made. If the material collected is used oil as defined by 40 CFR part 279, the Generator certifies that the total halogen content is less than 1,000ppm, or the Generator hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The Generator will be responsible for any and all costs including, but not limited to, proper disposal, testing and transportation if the material is determined to be a hazardous waste or contains PCBs.			
GENERATOR SIGNATURE / DATE		DRIVER SIGNATURE / DATE	
Monica Caldwell		J. T. [Signature]	

Receiving Facility Signature

Date received

20909 FM-685, Pflugerville, TX 78660 Phone: 512-990-1498; Fax: 512-990-1388; Toll Free: 800-777-1498

EPAHO040003317



CES Environmental
Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 878-1460
Fax. (713) 878-1876

Transportation Work Ticket

Folder ID : H & H Oil, L.P. (Pflugerville, TX)
Oily Water

Date : 8/15/2009

Manifest # :

B2

H & H Oil, L.P.

Client :

Ticket :

87632

Phone : 8007771498

Consignee :

CES Environmental Services, Inc.

CES Environmental Services, Inc.

Transporter :

Signature

Monica aldus

Signature

Leave CES Yard :

8:00

Arrive At Destination

Arrive At Customer :

11:00

Begin Unloading :

Begin Loading :

11:30

Finish Unloading :

Finish Loading :

12:00

Leave Destination :

Leave Customer :

12:15

Arrive At CES Yard :

3:45

Customer PO #:

Total Hours:

7.75

CES Unload:



Gross Weight :

Ending Odometer :

271692

Tare Weight :

Beginning Odometer :

271332

Net Weight :

Total Miles :

Driver : Berry, Noah

Tractor # : 287

Tote # :

Signature :

N. Berry

Trailer # : 271

Box # :

Job Comments/Equipment :

drp trl @ oil fac.

White (CES Office)

Yellow (CES Office / Billing)

Pink (CES Office / IFTA)

Golden Rod (Customer)

EPAHO040003318



**CES Environmental
Services, Inc.**

JOB INFORMATION PROFILE

Folder ID : H & H Oil, L.P. (Pflugerville, TX)
Oily Water

Customer : H & H Oil, L.P.

Address : 20909 FM 685

City, State, Zip : Pflugerville TX , 77860

CES Contact : () -

Driver : Berry, Noah

Helper :

Date : 6/15/2009

Time : 0600

Truck # 287

Trailer # 271

Job Description :

Contact is Ty @ 512-563-5819

1) suck out load of oily water

2) haul to CES

ID #: 87632

CUSTOMER INFORMATION

OPERATION HOURS:

Open :	07:00 AM
Close:	05:00 PM

SHIPPING/RECEIVING CONTACT:

Name:	Michael White
Number:	(281) 830-4800

AFTER HOURS CONTACT:

Name:	Michael White
Number:	(281) 830-4800

RECEIVING INFORMATION

OPERATION HOURS:

Open :	06:00 AM
Close:	08:00 PM

SHIPPING/RECEIVING CONTACT:

Name:	
Number:	(713) 410-7789

AFTER HOURS CONTACT:

Name:	Joy Baker
Number:	(281) 701-8511

PURCHASE ORDER NUMBER REQUIRED:

☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED:

☐ YES ☒ NO

IF YES, WHAT?

Hard Hat, Safety Glasses, Gloves, Boots

HACSC REQUIRED:

☐ YES ☒ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US:

☐ YES ☒ NO

WASHOUT ANTICIPATED:

☐ YES ☒ NO

ROPPER PUMP:

☐ YES ☒ NO

BOX LINER REQUIRED

☐ YES ☒ NO

LOADING/UNLOADING TRAILER TYPE:

☐ REAR ☐ BELLY
☒ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX:

☐ YES ☐ NO

CUSTOMER OWNS BOX:

☐ YES ☐ NO

CES RENTED BOX:

☐ YES ☐ NO

CUSTOMER RENTED BOX:

☐ YES ☐ NO

AMOUNT OF HOSE NEEDED:

?

DRUM DOLLY NEEDED:

☐ YES ☒ NO

SIZE:

?

PALLET JACK NEEDED:

☐ YES ☒ NO

EPAHO040003319

Melba Stephens

From: Joy Baker
Sent: Thursday, July 09, 2009 9:15 AM
To: Melba Stephens
Subject: RE: H&H Oil

25 cents please. THX

From: Melba Stephens <mstephens@cesenvironmental.com>
Sent: Thursday, July 09, 2009 9:00 AM
To: Joy Baker <jbaker@cesenvironmental.com>
Cc: Greg Bowman <gbowman@cesenvironmental.com>; Juanita Thomas <jthomas@cesenvironmental.com>
Subject: H&H Oil

Joy,
Need help!
Oily water load came in w/ High TOC 35040 and Phenol 20
Which means that we need to charge them @ \$0.23 per gallon per standard rate sheet.
Do you agree?
Let me know – ASAP
Melba



Invoice

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Date	Invoice #
6/4/2009	56735

COPY

Bill To: H&H Oil LP
20909 FM 685
Pflugerville, Texas 78660
Attn: Crystal Reininger

		P.O. No.	Terms	Project	
			Net 30		
Quantity	Description	Manifest #	Rate	Amount	
12.25	05/22/09 Transportation services by CES @ \$85.00 per hour	BOL 86482	85.00	1,041.25	
	9.5% Fuel Surcharge		98.92	98.92	
5,000	Recycling of Non DOT regulated oil water @ \$0.15 per gallon (see inbound)		0.15	750.00	
9.75	05/26/09 Transportation services by CES @ \$85.00 per hour	BOL 86646	85.00	828.75	
	9.5% Fuel Surcharge		78.74	78.74	
5,000	Recycling of Non DOT regulated oil water @ \$0.17 per gallon (see inbound)		0.17	850.00	
11.25	05/29/09 Transportation services by CES @ \$85.00 per hour	BOL 86665	85.00	956.25	
	9.5% Fuel Surcharge		90.85	90.85	
2,750	Recycling of Non DOT regulated oil water @ \$0.16 per gallon (see inbound)		0.16	440.00	
	1% Compliance Fee CES job #86482,86646,86665		51.35	51.35	
We appreciate your business!		Subtotal		\$5,186.11	
Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.		Sales Tax (8.25%)		\$0.00	
		Total		\$5,186.11	

**CES Environmental
Services, Inc.**

Bill Of Lading #

86482

Folder ID: Oil Water

Original - Shipper Provided Short Form Straight Bill of Lading - Not Negotiable - Domestic

SHIPPED FROM :

Vertex Recovery - Pflugerville
20900 FM 685
Pflugerville, TX 78660
(800) 777-1498

CES Profile #

11a) HOU-2836
11b)
11c)
11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its unusual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

For payment: Charges to be billed to Shipper or the "Billed to" party are set forth in the governing contract with Shipper. No charges other than those contained therein may be billed to Shipper or the "Billed to" party without prior written consent of Shipper. The extra copy of this Bill of Lading, furnished at the time of shipment, must be attached to the freight bill submitted to Shipper or the "Billed to" party and sent to:

CONSIGNEE TO :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

CARRIER:

Firebird *ICES*
PO Box 668
Humble, TX 77347

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.549 implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			
No	1	TT	5000	G	DOT Non regulated oil water

Shipper: Vertex Recovery - Pflugerville

Per: *X Ty Voigt*

Signature: *X [Signature]*

Date: *5/22/09*

Carrier: Firebird *ICES*

Per: *N. Berry*

Signature: *[Signature]*

Date: *5/22/09*

Receiving Facility: CES Environmental Services, Inc.

Per: *Al Longoria*

Signature: *[Signature]*

Date: *5/22/09*

White (Generator Return Copy)

Yellow (Transporter Copy)

Pink (Receiving Facility Copy)

Golden Rod (Generator 1st Copy)



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 876-1480
Fax. (713) 876-1676

Transportation Work Ticket

Folder ID : Oily Water

Date : 5/22/2009

Manifest # : Bod

Vertex Recovery - Pflugerville

Client :

Ticket : 85482

Phone : 8007771486

CES Environmental Services, Inc.

Firebird

Transporter : CES

Consignee :

Signature X

Signature

Leave CES Yard : 5:30

Arrive At Destination

Arrive At Customer : 9:30

Begin Unloading :

Begin Loading : 10:00

Finish Unloading : 5:45

Finish Loading : 1:00

Leave Destination :

Leave Customer : 1:00

Arrive At CES Yard : 4:45

Customer PO #:

Total Hours: 10.05

CES Unload: ☒

Gross Weight :

Ending Odometer : 267817

Tare Weight :

Beginning Odometer : 267442

Net Weight :

Total Miles :

Driver : Berry, Noah

Tractor # : 287

Tote # :

Signature : J. Berry

Trailer # : 234

Box # :

Job Comments/Equipment : dip #1 on line

White (CES Office)

Yellow (CES Office / Billing)

Pink (CES Office / IFTA)

Golden Rod (Customer)

EPAHO040003323



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Inbound Load Report

Job Number : 86482
Type of Material: Oily Water

Job Date: 5/22/2009
Bill of Lading #: 86842
Customer: Vertex Recovery - Pflugerville

Gross Weight: _____
Tare Weight: _____ **OR** **Total Gallons Shipped:** 5000
Net Weight: _____

Shipping Information

Carrier: CES Environmental Services, Inc.
Truck Number: _____
Trailer Number: 234

CES Laboratory Use Only

Specific Gravity: _____
Pounds per Gallon: _____
Temperature: _____
Total Gross Gallons: 5000
% Water _____
% Solids _____
Total Net Gallons: 5000

(minus water and solids)

Misc Notes:

pH= 6
TOC= 22440
Phenol= 25
Solids= 0
~60% Organic ~40% H2O

Surcharge @ \$0.15 per gallon

Sample Analyst: _____
(signature)

Sample Analyst: Julius Prantil **Date:** 5/22/2009

**CES Environmental
Services, Inc.**

Bill Of Lading # :

86646

Folder ID : H & H Oil, L.P. (Pflugerville, TX)
Oily Water

Original - Shipper Provided Short Form Straight Bill of Lading - Not Negotiable - Domestic

SHIPPED FROM :
Vertex Recovery - Pflugerville
20900 FM 685
Pflugerville, TX 78660
(800) 777-1498

CES Profile #
11a) HOU-2836
11b)
11c)
11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its unusual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

For payment: Charges to be billed to Shipper or the "Billed to" party are set forth in the governing contract with Shipper. No charges other than those contained therein may be billed to Shipper or the "Billed to" party without prior written consent of Shipper. The extra copy of this Bill of Lading, furnished at the time of shipment, must be attached to the freight bill submitted to Shipper or the "Billed to" party and sent to:

CONSIGNEE TO :
CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

CARRIER :
CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

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Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.549 implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			
No	1	TT	5,000	G	Non-RCRA/Non-DOT Regulated Oily water

Shipper : Vertex Recovery - Pflugerville

Per: [Signature] Signature: Monica Alden Date: 5-26-09

Carrier : CES Environmental Services, Inc.

Per: MATT TAYLOR Signature: Matt Taylor Date: 5/26/09

Receiving Facility : CES Environmental Services, Inc.

Per: Al Longoria Signature: [Signature] Date: 5/26/09

White (Generator Return Copy)

Yellow (Transporter Copy)

Pink (Receiving Facility Copy)

Golden Rod (Generator 1st Copy)

H&H Oil, L.P. - Service Order/Bill of Lading

A 0009165

ACCT #

GENERATOR NAME & ADDRESS		CONTACT NAME, PHONE & EPA ID	
H&H Oil LP 20909 FM 685 Pflugerville TX			
TRANSPORTER		TRANSPORTER CONTACT, TRANS ID, & EPA ID	
H&H Oil, L.P. 20909 FM 685 Pflugerville, TX 78660		Operations Manager—800-777-1498 A85213 TXD987990884	
RECEIVING FACILITY NAME & ADDRESS		CONTACT NAME, PHONE & EPA ID	
CES. Environmental Houston TX			
NON HAZARDOUS RESIDUALS	SET	P/U	PRICE EACH
USED OIL			
USED OIL FILTERS			
USED ANTIFREEZE			
OILY ABSORBENTS			
SPECIFICATION USED OIL			
OILY WATER		5000	
GRIT TRAP			
YELLOW GREASE			
OTHER:			
SPECIAL INSTRUCTIONS:		SUBTOTAL	
		TAX	
Sniffer <input type="checkbox"/> Pass <input type="checkbox"/> Fail	Is the material a "Hazardous Waste" as defined by 40 CFR 261.3? <input type="checkbox"/> Yes <input type="checkbox"/> No	AMT DUE	
Field Kit <input type="checkbox"/> Pass <input type="checkbox"/> Fail			
Total Halogens <input type="checkbox"/> > 1000 <input type="checkbox"/> < 1000		GENERATOR BILLING INFORMATION	
		Address same as above? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, enter billing address below.	
Is this facility a Conditionally Exempt Small Quantity Generator (CESQG) as defined by 40 CFR 261.5? <input type="checkbox"/> Yes <input type="checkbox"/> No	Is the material regulated under TSCA 40 CFR 761? (PCBs) <input type="checkbox"/> Yes <input type="checkbox"/> No		

On behalf of the Generator, I hereby certify that the information on this form is true and accurate, and no willful omissions or misrepresentations of the material have been made. If the material collected is used oil as defined by 40 CFR part 279, the Generator certifies that the total halogen content is less than 1,000ppm, or the Generator hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The Generator will be responsible for any and all costs including, but not limited to, proper disposal, testing and transportation if the material is determined to be a hazardous waste or contains PCBs.

GENERATOR SIGNATURE / DATE	DRIVER SIGNATURE / DATE
Monica Alden	Matt Ogden

Receiving Facility Signature

Date received

5/25/07



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : H & H Oil, L.P. (Pflugerville, TX)
Oily Water

Date : 5/26/2009

Manifest # : _____

Vertex Recovery - Pflugerville

Client : _____

Ticket : 86646

Phone : 8007771498

CES Environmental Services, Inc.

Consignee : _____

CES Environmental Services, Inc.

Transporter : _____

Signature

Monica Alden

Signature

Leave CES Yard : 10:30

Arrive At Destination 7:15

Arrive At Customer : 3:15

Begin Unloading : _____

Begin Loading : 3:25

Finish Unloading : 8:15

Finish Loading : 4:00

Leave Destination : _____

Leave Customer : 4:10

Arrive At CES Yard : _____

Customer PO # : _____

Total Hours : 9:15

CES Unload: ☒

Gross Weight : _____

Ending Odometer : 272206

Tare Weight : _____

Beginning Odometer : 271817

Net Weight : _____

Total Miles : 389

Driver : Taylor, Matthew

Tractor # : 280

Tote # : _____

Signature : *Taylor*

Trailer # : 270

Box # : _____

Job Comments/Equipment : _____

White (CES Office)

Yellow (CES Office / Billing)

Pink (CES Office / IFTA)

Golden Rod (Customer)

EPAHO040003327



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Inbound Load Report

Job Number : 86646
Type of Material: Oily Water

Job Date: 5/26/2009
Bill of Lading #: 86646
Customer: H & H Oil, L.P.

Gross Weight: _____
Tare Weight: _____ **OR** **Total Gallons Shipped:** 5000
Net Weight: _____

Shipping Information

Carrier: CES Environmental Services, Inc.
Truck Number: _____
Trailer Number: 270

CES Laboratory Use Only

Specific Gravity: _____
Pounds per Gallon: _____
Temperature: _____
Total Gross Gallons: 5000
% Water _____
% Solids _____
Total Net Gallons: 5000
(minus water and solids)

Misc Notes:

pH= 6
TOC= 25030
Phenol= 50
Solids= 1
~5% Oil ~94% H2O

Surcharge @ \$0.17 per gallon

Sample Analyst: _____
(signature)

Sample Analyst: Julius Prantil **Date:** 5/26/2009

**CES Environmental
Services, Inc.**

Bill Of Lading # :

86665

Folder ID : H & H Oil, L.P. (Pflugerville, TX)
Oily Water

Original - Shipper Provided Short Form Straight Bill of Lading - Not Negotiable - Domestic

SHIPPED FROM :

H & H Oil, L.P.
20909 FM 685
Pflugerville, TX 77860
(800) 777-1498

CES Profile #

11a) HOU-2836
11b)
11c)
11c)

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CONSIGNEE TO :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

CARRIER :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this Shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.54b implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			

No 1 TT 2750 G Non-RCRA/Non-DOT Regulated Oily water

Shipper : H & H Oil, L.P.

Per : x Monica Aldrete

Signature : x Monica Aldrete Date : _____

Carrier CES Environmental Services, Inc.

Per : N. Berry

Signature : N. Berry Date : 5/29/09

Receiving Facility CES Environmental Services, Inc.

Per : CULMAN CHAPMAN

Signature : CULMAN CHAPMAN Date : 5/29/09

White (Generator Return Copy)

Yellow (Transporter Copy)

Pink (Receiving Facility Copy)

Golden Rod (Generator 1st Copy)

H&H Oil, L.P. - Service Order/Bill of Lading

A 0009183

ACCT #

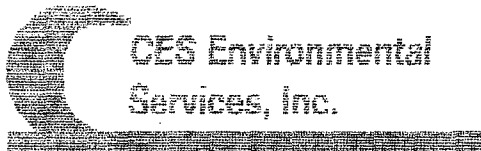
GENERATOR NAME & ADDRESS		CONTACT NAME, PHONE & EPA ID	
H&H Oil LP 20909 FM 685 Pflugerville TX			
TRANSPORTER		TRANSPORTER CONTACT, TRANS ID, & EPA ID	
H&H Oil, L.P. 20909 FM 685 Pflugerville, TX 78660		Operations Manager—800-777-1498 A85213 TXD987990884	
RECEIVING FACILITY NAME & ADDRESS		CONTACT NAME, PHONE & EPA ID	
Ces. Houston			
NON HAZARDOUS RESIDUALS	SET	P/U	PRICE EACH
USED OIL			
USED OIL FILTERS			
USED ANTIFREEZE			
OILY ABSORBENTS			
SPECIFICATION USED OIL			
OILY WATER			
GRIT TRAP			
YELLOW GREASE			
OTHER:			
SPECIAL INSTRUCTIONS:		SUBTOTAL	
		TAX	
Sniffer <input type="checkbox"/> Pass <input type="checkbox"/> Fail	Field Kit <input type="checkbox"/> Pass <input type="checkbox"/> Fail	AMT DUE	
Total Halogens <input type="checkbox"/> > 1000 <input type="checkbox"/> < 1000	Is the material a "Hazardous Waste" as defined by 40 CFR 261.3? <input type="checkbox"/> Yes <input type="checkbox"/> No	GENERATOR BILLING INFORMATION	
Is this facility a Conditionally Exempt Small Quantity Generator (CESQG) as defined by 40 CFR 261.5? <input type="checkbox"/> Yes <input type="checkbox"/> No	Is the material regulated under TSCA 40 CFR 761? (PCBs) <input type="checkbox"/> Yes <input type="checkbox"/> No	Address same as above? <input type="checkbox"/> Yes <input type="checkbox"/> No If No, enter billing address below.	

On behalf of the Generator, I hereby certify that the information on this form is true and accurate, and no willful omissions or misrepresentations of the material have been made. If the material collected is used oil as defined by 40 CFR part 279, the Generator certifies that the total halogen content is less than 1,000ppm, or the Generator hereby certifies that the rebuttable presumption under 40 CFR part 279 has been rebutted. The Generator will be responsible for any and all costs including, but not limited to, proper disposal, testing and transportation if the material is determined to be a hazardous waste or contains PCBs.

GENERATOR SIGNATURE / DATE	DRIVER SIGNATURE / DATE
Monica Alden	[Signature]

Receiving Facility Signature

Date received



CES Environmental
Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : H & H Oil, L.P. (Pflugerville, TX)
Oily Water

Date : 5/29/2009

Manifest # :

Box

H & H Oil, L.P.

Client :

Ticket :

86665

Phone : 8007771498

CES Environmental Services, Inc.

Consignee :

CES Environmental Services, Inc.

Transporter :

Signature

Monica Aldrete

Signature

Leave CES Yard :

7:00

Arrive At Destination

Arrive At Customer :

* 10:00

Begin Unloading :

Begin Loading :

12:00

Finish Unloading :

615

Finish Loading :

1:00

Leave Destination :

Leave Customer :

1:15

Arrive At CES Yard :

5:15

Customer PO #:

Total Hours:

11.25

CES Unload:

10

Gross Weight :

Ending Odometer :

268913

Tare Weight :

Beginning Odometer :

268539

Net Weight :

Total Miles :

Driver : Barry, Noah

Tractor # : 287

Tote # :

Signature :

N. Barry

Trailer # : 270

Box # :

Job Comments/Equipment :

* not ready to load @ H & H

White (CES Office)

Yellow (CES Office / Billing)

Pink (CES Office / IFTA)

Golden Rod (Customer)

EPAHO040003331



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Inbound Load Report

Job Number : 86665
Type of Material: Oily Water

Job Date: 5/29/2009
Bill of Lading #: 86665
Customer: H & H Oil, L.P.

Gross Weight: _____
Tare Weight: _____ **OR** **Total Gallons Shipped:** 2750
Net Weight: _____

Shipping Information

Carrier: CES Environmental Services, Inc.
Truck Number: 287
Trailer Number: 270

CES Laboratory Use Only

Specific Gravity: _____
Pounds per Gallon: _____
Temperature: _____
Total Gross Gallons: 2750
% Water 75%
% Solids 8%
Total Net Gallons: _____
(minus water and solids)

Misc Notes:

Rag 12%
Oil 5%

Surcharge @ \$0.16 / per gallon

Sample Analyst: _____
(signature)

Sample Analyst: Sam Brown **Date:** 5/29/2009

Aug 26 08 08:52a

Idealease Shop

2104772570

p. 2

7137488664

P.002

Chem Comp is missing 4%
of a constituent.

REJECT
Emulsion high TOC will
require heat tank treatment + surcharges



4904 Briggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30548

<http://www.ceenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30548

U.S. EPA ID Number: TXD005950461 ISWR Number: 30900

U.S. EPA ID Number: TXD005950461 ISWR Number: 30900

SECTION 1: Generator Information

Company: SANOFI INSTITUTE
Address: 4300 Highway 90 East
City: SAN ANTONIO State: TX Zip: 78219
Contact: DAVE JORDAN Title: Manager
Phone Number: 210 355 8904 Fax Number: 210 477 2520
24/hr Phone Number: 210 355 8904
US EPA ID No: TEXES06
State ID No: CES06 SIC Code: N/A

SECTION 2: Billing Information -

Company: H E H Oil L.P.
Address: 20909 FM 685
City: Bellevueville State: TX Zip: 78660
Contact: Kalu N Nair Title: _____
Phone Number: 800 777 1498 Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: Oil Water
Detailed Description of Process Generating Waste:

Oil Water from Daily operations, oil from machinery & equipment

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: dark Odor: Hydrocarbon

Specific Gravity (water=1): 1 Density: 8.24 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHA? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☒ Yearly ☐ One-Time

quantity: 1000 cables

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

NONE**SECTION 6: Attached Supporting Documents**List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. NONE**SECTION 7: Incompatibilities**

Please list ALL incompatibilities (if any):

NONE KNOWN**SECTION 8: Generator's Knowledge Documentation**Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:

X

TCLP Volatiles:

X

TCLP Semi-Volatiles:

X

Reactivity:

X

Corrosivity:

X

Ignitability:

X**SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Controlled Waste Treatment Facilities)**

Is this material a wastewater or wastewater sludge?

☒ YES

NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oil Subcategory
- ☒ Organics Subcategory

SECTION 10: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Dave JohnsonDate: 8-25-08Printed Name/Title: DAVE JOHNSON**CES USE ONLY (DO NOT WRITE IN THIS SPACE)**Compliance Officer: Pedro OrtegaDate: 9-2-08Approval Number: 2970☒ Approved☐ Rejected

Total P.005

Total P.005

1. Base Pricing (including freight):

\$.12/gal
TRANS \$85/hour + FSC

2. Contamination Limit (maximum limit before surcharges apply):

Standard per Shared Drive

3. Surcharge Pricing:

Standard per Shared Drive

4. Special Testing Requirements:

Report if this is an emulsion. ; pH, TOC, emulsion, phase - any oil must be decanted. High TOC requires heat tank treatment if this is an emulsion + will not treat in WW. Surcharge TOC's.

5. Treatment and Handling Protocol:

Any Oil must be decanted. High TOC emulsion will require a heat tank.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--

May be an
emulsion.



**CES Environmental
Services, Inc.**

4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

JB
Need CES
report
Thanks
None available
it is oily water
only

SECTION 1: Generator Information

Company: SANTEX TANKERS
Address: 4300 HIGHWAY 90 EAST
City: SAN ANTONIO State: TX Zip: 78219
Contact: DAVE JOHNSON Title: MANAGER
Phone Number: 210 355 8904 Fax Number: 210 477 2570
24/hr Phone Number: 210 355 8904
US EPA ID No: TXCESQG
State ID No: CESQG SIC Code: N/A

SECTION 2: Billing Information ☐ Same as Above

Company: H E H OIL L.P.
Address: 20909 FM 685
City: DELTAUGERVILLE State: TX Zip: 78660
Contact: KELVIN HEINE Title: _____
Phone Number: 800 777 1478 Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: Oily Water
Detailed Description of Process Generating Waste:

Oily Water from Daily operations, oil from machinery & equipment

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: dark Odor: Hydrocarbon

Specific Gravity (water=1): 1 Density: 8.34 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2875	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☒ Yearly ☐ One-Time

Quantity: 1000 gallons

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

NONE**SECTION 6: Attached Supporting Documents**List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. NONE**SECTION 7: Incompatibilities**

Please list ALL incompatibilities (if any):

NONE KNOWN**SECTION 8: Generator's Knowledge Documentation**Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?
If 'Yes', complete this section.

☒ YES NO

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☒ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
- Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L
- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
- ☐ Metals Subcategory
☐ Oils Subcategory
☒ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Dave JohnsonDate: 8-25-08Printed Name/Title: DAVE JOHNSON Senior Eng.**CES USE ONLY (DO NOT WRITE IN THIS SPACE)**Compliance Officer: Robert H. RyanDate: 12-5-08☒ Approved☐ Rejected

Approval Number: _____

Total P.005

1. Base Pricing (including freight):

\$0.15/gal + trans + fsc

2. Contamination Limit (maximum limit before surcharges apply):

std (< 3% solids)

3. Surcharge Pricing:

std per rate sheet.

4. Special Testing Requirements:

Oil must pass chlor-d-test. pH, TOC, metals, phenol, % oil, % solids. Emulsion Yes or No.

5. Treatment and Handling Protocol:

WW, emulsion will process to heat tank ~~for~~ to break emulsion + separate oil.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☒ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--

Job in SAN ANTONIO

(b) (6)

3000 S

(b) (6)

© Half recycling.com

~~Bill truck to H&H~~

Bill truck to H&H
\$85/hr + fte

BFI in SA

2 gnt drpo
Kantex local Lease

H & H Oil Co.
Austin, TX

- ① volume
- ② profile #
- ③ shipping cost
- ④ risk out at BFI
- ⑤ volume
- ⑥ cost?

(b) (6)

(b) (6)

(b) (6)

(b) (6)

(b) (6)

②
6500

(b) (6)

AUG 20 08 09:07a

EPAHQ040003346

Idealase Shop

2104772570

P.1

1116912

Y8 048489

BFI/TESSMAN RD LANDFILL
7000 IH 10 EAST
SAN ANTONIO, TEXAS
210-661-4104
219161
SANTEX

1380 ACKERMAN RD.
FON177727
SAN ANTONIO, TX 78219
Contract#: HL60Y16487

SITE	TICKET	GRID
	GS00049 GERALD S	
WEIGHMASTER		
23 June 2008		11:12 am
DATE IN	23 June 2008	TIME IN
	LIQ1	12:15 pm
DATE OUT		TIME OUT
VEHICLE	ROLL OFF	
	0557710/0557709	
REFERENCE	ORIGIN	
	Inbound - SCALE TICKET	

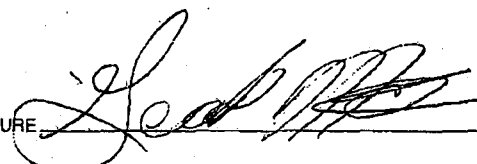
00 Gross Weight 49,200.00 lb
~~Stored Tare Weight 30,960.00 lb~~
Net Weight 18,240.00 lb 9.12 TN

9.12 TN EA FEE-WEIGHT-ONLY					
Qty	Unit	VT	SW-SPECIAL	DESCRIPTION	
1.00	LD	C3		ENVIRONMENTAL FEE	
1.00	LD	D1		FUEL RECOVERY FEE	

SAFETY MEMOS:

- Hard hats MUST be worn.
- High Visibility vests MUST be worn.
- Passengers MUST remain in vehicle at all times.

SIGNATURE



NET AMOUNT
TENDERED
CHANGE
CHECK NO.



NON-HAZARDOUS WASTE MANIFEST

0557710

Please print or type

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address San tex international Free-trucks 1380 Ackerman Rd San Antonio, TX				5. Generating Location (if different) Same	
4. Phone ()				6. Phone ()	
7. Transporter #1 Company Name FCC environmental (Siemens)		8. US EPA ID Number		9. Transporter #1's Phone	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Allied waste 7000 IH 10 E, San Antonio, TX 78219		14. US EPA ID Number		15. Facility's Phone 210 661 7558	
16. Waste Shipping Name and Description Grit Mud		17. Allied Waste Approval # and Exp. Date L60Y16487		18. Containers	
				19. Total Quantity	
				20. Unit Wt/Vol	
a.				1 T 762 CA1	
b.					
c.					
d.					
21. Additional Descriptions for Materials Listed Above					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
Printed/Typed Name CLIFF GRAMANN				Signature [Signature] Month Day Year 6/23/08	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Gerardo Martinez				Signature [Signature] Month Day Year 06/23/08	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name				Signature Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Valerie Lopez				Signature Valerie Lopez Month Day Year 6/23/08	

ORIGINAL - RETURN TO GENERATOR

EPAHQ040003347



NON-HAZARDOUS WASTE MANIFEST

0557709

Please print or type

1. Generator's US EPA ID Number		Manifest Document Number		2. Page 1 of	
3. Generator's Name and Mailing Address Santex Idealease 4300 HWY 90E, San Antonio, TX				5. Generating Location (if different) Same	
4. Phone ()				6. Phone ()	
7. Transporter #1 Company Name FCC Environmental (Siemens)		8. US EPA ID Number		9. Transporter #1's Phone 830-895-2429	
10. Transporter #2 Company Name		11. US EPA ID Number		12. Transporter #2's Phone	
13. Designated T/S/D Facility Name and Site Address Allied Waste 7000 IH 10C, San Antonio, TX		14. US EPA ID Number		15. Facility's Phone 210-661-7558	
16. Waste Shipping Name and Description Crut Mud		17. Allied Waste Approval # and Exp. Date L60416487		18. Containers	
				19. Total Quantity	
				20. Unit Wt/Vol	
a.				No. Type	
b.				1 T 1387 GAL	
c.					
d.					
21. Additional Descriptions for Materials Listed Above					
22. Special Handling Instructions and Additional Information					
23. GENERATOR'S CERTIFICATION: I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
Printed/Typed Name Justin Stewart		Signature 		Month Day Year	
24. Transporter #1: Acknowledgement of Receipt of Materials					
Printed/Typed Name Gerardo Martinez		Signature 		Month Day Year 06 23 08	
25. Transporter #2: Acknowledgement of Receipt of Materials					
Printed/Typed Name		Signature		Month Day Year	
26. Discrepancy Indication Space					
27. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)					
Printed/Typed Name Gerald Smith		Signature 		Month Day Year 6 23 08	

ORIGINAL - RETURN TO GENERATOR

EPAHQ040003348

Billing
info to Vortex



Fax

Notes: Please review the attached document. After reviewing please sign and return.

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.



JB

4904 Griggs Road, Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information

Company: SANTEX Idealase
Address: 4300 Highway 90 East
City: SAN ANTONIO State: TX Zip: 78219
Contact: DAVE Johnson Title: MANAGER
Phone Number: 210 355 8904 Fax Number: 210 477 2570
24/hr Phone Number: 210 355 8904
US EPA ID No: TXCESQG
State ID No: CESQG SIC Code: N/A

SECTION 2: Billing Information - ☐ Same as Above

Company: H E H Oil L.P.
Address: 20909 FM 685
City: Pflugerville State: TX Zip: 78660
Contact: KELVIN HEINE Title: _____
Phone Number: 800 777 1498 Fax Number: _____

SECTION 3: General Description of the Waste

Name of Waste: Oil Water
Detailed Description of Process Generating Waste: _____

Oil Water from Daily operations, oil from machinery equipment

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: dark Odor: Hydrocarbon

Specific Gravity (water=1): 1 Density: 8.34 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☐ Single-phase ☒ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☒ Yearly ☐ One-Time

Quantity: 1000 gallons

Is this a USEPA “Hazardous Waste” per 40CFR 261.3?

☐ Yes ☒ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If “Yes”, Is it:

☐ D001 (Ignitable)☐ D002 (Corrosive)☐ D003 (Reactive)

Characteristic for Toxic Metals:

☐ D004☐ D005☐ D006☐ D007☐ D008☐ D009☐ D010

☐ D011

Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one?

☐ Yes☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under

40 CFR 261.33(e) or (f)?

☐ Yes☒ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code Number:

Recycle

Proper US DOT Shipping Name:

New RCRA New Dot regulated material

Class: 2A **UN/NA:** 1000

24

UN/NA:

22

PG :

21

RQ:



Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
7140		7		0 mg/l		0 mg/l		1 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
	mg/l		mg/l	mg/l			mg/l	mg/l	

SECTION 4: Physical and Chemical Data

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

NONE

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. NONE

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

NONE KNOWN

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:	<u>X</u>
TCLP Volatiles:	<u>X</u>
TCLP Semi-Volatiles:	<u>X</u>
Reactivity:	<u>X</u>
Corrosivity:	<u>X</u>
Ignitability:	<u>X</u>

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☐ YES

☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory : Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer:	_____
Date:	_____ <input type="checkbox"/> Approved <input type="checkbox"/> Rejected
Approval Number:	_____

BOX #

41

TYPE OF DOCUMENTS: _____

DOCUMENTS OF INTEREST:

- ~~OSHA~~ ^{PACES} permit appl to TCEQ describing process to produce NASH at ~~OSHA~~ ^{PACES}:
- Preapproval letters of suppliers of ~~OSHA~~ ^{waste} products for NASH press at PACES.
- Joey Sutter fatality report in 3 ring binder. Contains original affidavits of witnesses including Matt Bannan.
- Drivers logs.

VIOLATIONS SUPPORTED: DOT RCRA SDWA OSHA

BOX SEARCHED BY:

GRuff

DATE SEARCHED:

8/26/09

1 of 1

Prabhakar

Brent's driver log books

J. Keller
& Associates, Inc.
Since 1953



OFFICIAL DELUXE COPY

DRIVER'S DAILY LOG

**PRESCRIBED BY FEDERAL MOTOR CARRIER SAFETY ADMINISTRATION
U.S. DEPARTMENT OF TRANSPORTATION**



MONTH: January

YEAR: 2009

DRIVER: Sittig Brent

CARRIER: CES

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Rev. 7/06

MONTHLY SUMMARY SHEET

MONTH:

If you operate on the basis of 70 hours in 8 days, use the summary sheet on the left; if you operate on the basis of 60 hours in 7 days, use the summary sheet on the right.

* The figures to 31 represent calendar days, and entries should be made for each day - even when no work is performed. Enter zero (0) in first column, and compute other columns as explained above.

70 HOURS - 8 DAYS				60 HOURS - 7 DAYS			
DRIVERS ONLY				DRIVERS ONLY			
Day of mo.	Hours Worked Today (Total of lines 3 & 4 on graph)	A	B	Day of mo.	Hours Worked Today (Total of lines 3 & 4 on graph)	A	B
Last 7 days of preceding month		Total hours on-duty last 7 days - OR - Total hours on-duty since restart	Hours available tomorrow, 70 hours minus col. A	Last 6 days of preceding month		Total hours on-duty last 6 days - OR - Total hours on-duty since restart	Hours available tomorrow, 60 hours minus col. A
1				1			
2				2			
3				3			
4				4			
5				5			
6				6			
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23				23			
24				24			
25				25			
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27				27			
28				28			
29				29			
30				30			
31				31			

Enter the number of working hours (on duty & driving) for each of the last seven days of the preceding month in the first seven spaces under the column headed "Hours Worked Today". Enter in the first space under Column A the Total of the number of hours worked during the last 7 days. Subtract the figure entered in Column A from 70 hours and enter this figure - hours available for tomorrow - in Column B.

At the end of each day, complete the first three columns adjacent

to the days of month in the same manner as explained above. Total the number of hours worked during the last 8 days and enter in Column C. If any number in Column C exceeds 70, no driving should have been done. Any driving that was done is a violation and should be circled for easy identification.

34-hour restart: If you took 34 consecutive hours off duty, you have 70 hours available again. You would then begin your totaling on the day of the restart and not go back the full 7 or 8 days.

Follow the same instructions provided for completing the summary sheet for 8 days - 70 hours, except substitute last six days for last seven days and 60 hours for 70 hours.

34-hour restart: If you took 34 consecutive hours off duty, you have 60 hours available again. You would then begin your totaling on the day of the restart and not go back the full 6 or 7 days.



DRIVER'S DAILY LOG

(24 HOURS)

424

424

Total Miles Driving Today

Total Mileage Today

285 / LT 638
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

01 105 109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct

Driver's Full Signature

Co-Driver's Name

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
-----------	---	---	---	---	---	---	---	---	---	----	----	------	---	---	---	---	---	---	---	---	---	----	----	-------------

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

78701
78700

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP

Complete at end of duty day.
1374

On-duty hours today, (Total lines 3 & 4)

70 Hour / 8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 7 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

01/03/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday

3 1/2

On-duty hours
today: (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.

Total hours on
duty last 7 days,
including today.

B.

Total hours
available
tomorrow.
70 hr. minus A.

C.

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.

Total hours on
duty last 6 days,
including today.

B.

Total hours
available
tomorrow.
60 hr. minus A.

C.

Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

285/261

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

01 / 04 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Brent Sittig
Driver's Full Signature

Co-Driver's Name

215 215
Total Miles Driving Today Total Mileage Today

285 / 261
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

78945

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP

Complete at end of workday.

8

On-duty hours today. (Total lines 3 & 4)

70 Hour / 8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



601-L



DRIVER'S DAILY LOG

(24 HOURS)

01/06/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

285/LT 638

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																								
2. SLEEPER BERTH																								
3. DRIVING																								
4. ON DUTY (NOT DRIVING)																								
REMARKS																								

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																								
2. SLEEPER BERTH																								
3. DRIVING																								
4. ON DUTY (NOT DRIVING)																								
REMARKS																								

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

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601-L



RECAP
Completed at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

BOUND EDGE



DRIVER'S DAILY LOG

(24 HOURS)

01/27/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

431 431
Total Miles Driving Today Total Mileage Today

285 LT-638
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

10/4
Total hours on duty last 7 days, including today.

Total hours available tomorrow, 70 hr. minus A.*

9/14
Total hours on duty last 8 days, including today.

4/18
60 Hour/7 Day Drivers

24
Total hours on duty last 6 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

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601-L



BOUND EDGE



DRIVER'S DAILY LOG

(24 HOURS)

01/05/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																								24
2. SLEEPER BERTH																								0
3. DRIVING																								0
4. ON DUTY (NOT DRIVING)																								0

70 Hour / 8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
REMARKS																								24

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

427

427

Total Miles Driving Today

Total Mileage Today

285/LT-638

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

01/09/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

78887
78829

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

From:

To:

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RECAP

Complete

1374

On-duty hours today: (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

601-L





DRIVER'S DAILY LOG

(24 HOURS)

01/10/07
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at end of workday.

CES ENVIRONMENTAL SERVICES

214 214
Total Miles Driving Today Total Mileage Today

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

285/LT-638
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

78870

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

From:

To:

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601-L



A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

(Month)

(Day)

(Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
-----------	---	---	---	---	---	---	---	---	---	----	----	------	---	---	---	---	---	---	---	---	---	----	----	-------------

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11
-----------	---	---	---	---	---	---	---	---	---	----	----	------	---	---	---	---	---	---	---	---	---	----	----

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

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601-L



RECAP
Complete at end of workday.

On-duty hours today. (Total lines 3 & 4)

70 Hour / 8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

01/15/07
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address
I certify these entries are true and correct

212 212
Total Miles Driving Today Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature Co-Driver's Name TOTAL HOURS

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									11 1/2
2. SLEEPER BERTH																									0
3. DRIVING																									6 1/2
4. ON DUTY (NOT DRIVING)																									6 1/2

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																									24

79447
E110567

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Complete at
end of 7 days

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

(Month)

(Day)

(Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of 7th day.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

MID-NIGHT

1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

MID-NIGHT

1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow, 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow, 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

Total Miles Driving Today 128 Total Mileage Today 128

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit) 285 / LT-423

(Month) 11 (Day) 14 (Year) 2007

CES ENVIRONMENTAL

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									16
2. SLEEPER BERTH																									9 1/4
3. DRIVING																									2 3/4
4. ON DUTY (NOT DRIVING)																									5 1/4
REMARKS																									24

79368

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow, 70 hr. minus A.*

C. Total hours duty last 8 days, including today.

60 Hr 7 T Dr

A. T d



DRIVER'S DAILY LOG

(24 HOURS)

243 243
Total Miles Driving Today Total Mileage Today

285 / LT 1047

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

(Month) (Day) (Year)

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								12 1/4
																								9
																								5 1/2
																								6 1/4
																								24

RECAP

Complete at end of workday.

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 70 hr. minus A.*

Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

Total hours on duty last 7 days, including today.

Total hours available tomorrow, 60 hr. minus A.*

004014910

004014911

004014912

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

From:

To:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

343 343
Total Miles Driving Today Total Mileage Today

205 LT-4047

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								12
																								0
																								7 1/2
																								4 1/2

REMARKS

79647
79646

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

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601-L



RECAP

Complete at end of workday.

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

3/17/11
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

214 214
Total Miles Driving Today Total Mileage Today

385 LT-1047

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									15 1/4
2. SLEEPER BERTH																									8
3. DRIVING																									5
4. ON DUTY (NOT DRIVING)																									3 3/4

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
77658																									24

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

From:

To:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP

Complete at end of workday
On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days
RECAP
Complete at
end of workday.

Total Miles Driving Today

Total Mileage Today

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT											NOON											TOTAL HOURS
	1	2	3	4	5	6	7	8	9	10	11	1	2	3	4	5	6	7	8	9	10	11	
1. OFF DUTY																							
2. SLEEPER BERTH																							
3. DRIVING																							
4. ON DUTY (NOT DRIVING)																							
REMARKS																							

SHIPPING DOCUMENTS:
B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

601-L



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A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**
A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

 *If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

797799
004248463

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP Complete at end of workday.

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

(Month)

(Day)

(Year)

 Original - File at home terminal
 Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

 Truck/Tractor and Trailer Numbers or
 License Plate(s) / State (show each unit)

MID-NIGHT

1

2

3

4

5

6

7

8

9

10

11

NOON

1

2

3

4

5

6

7

8

9

10

11

TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

MID-NIGHT

1

2

3

4

5

6

7

8

9

10

11

NOON

1

2

3

4

5

6

7

8

9

10

11

REMARKS

SHIPPING DOCUMENT

B/L or Manifest No. or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L


RECAP
 Complete at end of workday.

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow, 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow, 60 hr. minus A.*

C. Total hours on duty last 7 days, including today. *If you took 34 consecutive hours off duty, you have 60/70 hours available again.

BOUND EDGE



DRIVER'S DAILY LOG

(24 HOURS)

(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

Total Miles Driving Today 162 Total Mileage Today 162

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									13
2. SLEEPER BERTH																									0
3. DRIVING																									33/4
4. ON DUTY (NOT DRIVING)																									7/4

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
747LS 79905																									24

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

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601-L



A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow, 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow, 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

01/27/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

Total Miles Driving Today Total Mileage Today

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature *B. Cantelitti*

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									0
3. DRIVING																									0
4. ON DUTY (NOT DRIVING)																									0
REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	24

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

601-L



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A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

01/25/07
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

273 LT-1047

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

79906
79679

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP Complete at end of workday.

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 7 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

601-L





DRIVER'S DAILY LOG

(24 HOURS)

01/24/07
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

273 / LT-1047

Certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								9
																								0
																								8:44
																								13:44

REMARKS

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								24

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

01/23/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Total Miles Driving Today Total Mileage Today

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address
I certify these entries are true and correct.

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature *[Signature]*

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									0
3. DRIVING																									0
4. ON DUTY (NOT DRIVING)																									0
REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	24

On-duty hours today. (Total lines 3 & 4)

70 Hour / 8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: _____ To: _____

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

01/26/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

On duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

373-LT-423

MID-NIGHT

1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

MID-NIGHT

1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

Total Miles Driving Today 163 Total Mileage Today 163

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)
273 LT-1047

01/27/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature [Signature]

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									15 3/4
2. SLEEPER BERTH																									01
3. DRIVING																									3 3/4
4. ON DUTY (NOT DRIVING)																									7 1/2

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
80223 30800																									24

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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801-L



RECAP Complete at end of workday.

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature Co-Driver's Name

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP
Complete at
end of workday

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



(24 HOURS)

(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

A.

Total hours on duty last 7 days, including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

Total hours on duty last 8 days, including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

***If you took 34 consecutive hours off duty, you have 60/70 hours available again.**

601-L

**SHIPPING
DOCUMENTS:**

B/L or Manifest No.
OR

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S DAILY LOG

(24 HOURS)

321 321
Total Miles Driving Today Total Mileage Today

01/30/07
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									
2. SLEEPER BERTH																									
3. DRIVING																									
4. ON DUTY (NOT DRIVING)																									
REMARKS																									

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Complete at
end of workday.

On-duty hours
today: (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



Instructions for Completing the Driver's Daily Log (§395.8)

© J. J. Keller & Associates, Inc.

As a driver, you are required to fill out a daily log (duty status record) for each 24-hour period. You must have a log for every day, including days off.

All information must be true and correct. You must make all of your own entries (except for preprinted items). If you make any incomplete or false entries, both you and/or your carrier are liable to prosecution.

Information Required on the Form

You must provide the following information on the form:

Date. You must write down the month, day, and year for the beginning of each 24-hour period.

Total miles driving today. You must record the total number of miles you drove during the 24-hour period.

Truck or tractor and trailer numbers. You must write down either the vehicle number(s) assigned by your company, or the license number and licensing state for each commercial motor vehicle operated during the 24-hour period.

Name of carrier. You must write down the name of the motor carrier(s) you are working for. If you are working for more than one carrier in a 24-hour period, you must list the times you started and finished work for each carrier.

Driver's signature/certification. You must certify that all of your entries are true and correct by signing your log with your legal name or name of record.

Time base to be used. You must use the time standard in effect at your home terminal, and also the 24-hour period starting time designated for your home terminal.

Main office address. Your carrier's main office address must be on the record of duty status.

Remarks. This is the area where you must list the city, town, or village, and state abbreviation when a change of duty status occurs.

Name of co-driver. Write the name of your co-driver, if you have one.

Total hours. You must add and record the total hours for each duty status at the right of the grid. The total of the entries must equal 24 hours.

Shipping document number(s), or name of shipper and commodity.

How to Complete the Grid

The grid portion of your log must be kept current to the time shown for the last change of duty status. You must record your duty status on the grid as follows:

- Off Duty
- Sleeper Berth
- Driving
- On Duty (Not Driving)

Off Duty. Except for time resting in a sleeper berth, you must draw a continuous line between the appropriate time markers to show the periods of time when you are not on duty, not required to be in readiness to work, or not under any responsibility for performing work.

Sleeper Berth. You must draw a continuous line between the appropriate time markers to show the periods of time when you are off duty, resting in a sleeper berth.

Driving. You must draw a continuous line between the appropriate time markers to show the periods of time when you are at the driving controls of a commercial motor vehicle in operation.

On Duty (Not Driving). You must draw a continuous line between the appropriate time markers to show the periods of time when you are on duty, but not driving.

For each change of duty status, the name of the city, town, or village, with state abbreviation, must be recorded in the Remarks section. If the change of duty status occurs at a location other than a city, town, or village, you must show one of the following:

- The highway number and the nearest milepost followed by the name of the nearest city, town, or village and state abbreviation,
- The highway number and the name of the service plaza followed by the name of the nearest city, town, or village and state abbreviation, or
- The highway numbers of the two nearest intersecting roadways followed by the name of the nearest city, town, or village, and state abbreviation.

A Few Additional Notes

After you have completed your log, the regulations allow you 13 days to forward the original copy to your employer. Your employer may require you to turn it in sooner.

You must keep a copy of your completed log for the next 7 consecutive days. The copies must be available for inspection by law enforcement at any time while you are on duty.

If you work for more than one motor carrier during a 24-hour period, you must submit a copy of your record of duty status to each motor carrier. The record must include:

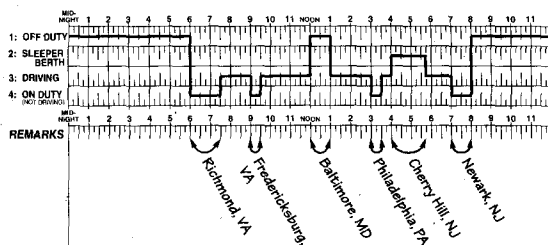
- All duty time for the entire 24-hour period,
- The name of each motor carrier you worked for during the 24-hour period, and
- The beginning and finishing time, including a.m. or p.m.; worked for each motor carrier.

SAP 500690 (Rev. 8/05)

BOUND

Sample Completed Grid

The following grid illustrates how a driver's duty status should be recorded for a trip from Richmond, Virginia, to Newark, New Jersey. The grid reflects the midnight-to-midnight 24-hour period.



Graph Grid (midnight to midnight operation)

The driver in this instance reported for duty at the motor carrier's terminal. The driver reported for work at 6 a.m., helped load, checked with dispatch, made a pretrip inspection, and performed other duties until 7:30 a.m. when the driver began driving. At 9 a.m. the driver had a minor accident in Fredericksburg, Virginia, and spent one half hour handling details with the local police. The driver arrived at the company's Baltimore, Maryland, terminal at noon and went to lunch while minor repairs were made to the tractor. At 1 p.m. the driver resumed the trip and made a delivery in Philadelphia, Pennsylvania,

between 3 p.m. and 3:30 p.m. at which time the driver started driving again. Upon arrival at Cherry Hill, New Jersey, at 4 p.m., the driver entered the sleeper berth for a rest break until 5:45 p.m. at which time the driver resumed driving again. At 7 p.m. the driver arrived at the company's terminal in Newark, New Jersey. Between 7 p.m. and 8 p.m. the driver prepared the required paperwork including completing the driver's record of duty status, driver vehicle inspection report, insurance report for the Fredericksburg, Virginia accident, checked for the next day's dispatch, etc. At 8 p.m., the driver went off duty.



Main Points of 2005 Hours of Service Regulations (Property-Carrying Vehicles)

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- **Off-duty time:** 10 consecutive hours.
- **On-duty time:** 14 consecutive hours after coming on duty.
- **Driving time:** 11 hours.
- **Weekly limits:** 60 hours/7 days or 70 hours/8 days (no change).
- **34-hour restart:** The 60/70-hour clock may restart after 34 consecutive hours off duty.
- **Split sleeper berth:** One period of at least 8 (but less than 10) consecutive hours in the sleeper berth; and a separate period, before or after the 8-hour period, of at least 2 (but less than 10) consecutive hours. The 2-consecutive-hour period may be in the sleeper berth, off duty, or any combination of the two. The 8-hour period will not be counted as part of the 14 hours, but the 2-hour period will be counted as part of the 14 hours. Following the second period, hours available under the 11-

hour and 14-hour rules must be re-calculated from the end of the first of the two periods.

- **Short-haul 16-hour exception:** The 14-hour on-duty period can be extended to 16 hours if driver has been released from duty at the normal work reporting location for the previous 5 duty tours, is released from duty at the normal work reporting location within 16 hours, and has not used exception in the previous 6 days (except following a 34-hour restart of 7/8-day period).
- **Compliance Date:** October 1, 2005

— ORDER LOG BOOK FROM —



J. J. Keller
& Associates, Inc.

3003 W. Breezewood Lane, P.O. Box 368
Neenah, WI 54957-0368

Since 1953

Printed in the United States • www.jjkeller.com • 1-800-327-6868



J. J. Keller
& Associates, Inc.

Since 1953



OFFICIAL DELUXE COPY

DRIVER'S DAILY LOG

**PRESCRIBED BY FEDERAL MOTOR CARRIER SAFETY ADMINISTRATION
U.S. DEPARTMENT OF TRANSPORTATION**



MONTH: _____ **YEAR:** _____

DRIVER: _____ **CARRIER:** _____

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Rev. 7/06

MONTHLY SUMMARY SHEET

MONTH: _____

If you operate on the period of 70 hours in 8 days, use the summary sheet on the left; if you operate on the period of 60 hours in 7 days, use the summary sheet on the right.

The figures 1 to 31 represent calendar days, and entries should be made for each day - even when driver does not work. If no work is performed, enter zero (0) in first column and compute other columns as explained below.

70 HR/8 DAY DRIVERS ONLY				60 HR/7 DAY DRIVERS ONLY					
Day of mo.	Hours Worked Today (Total of lines 3 & 4 on graph)	A	B	C	Day of mo.	Hours Worked Today (Total of lines 3 & 4 on graph)	A	B	C
Last 7 days of preceding month	Total hours on-duty last 7 days - OR - Total hours on-duty since restart	Hours available tomorrow. 70 hours minus col. A	Total hours on-duty last 8 days - OR - Total hours on-duty since restart		Last 6 days of preceding month	Total hours on-duty last 6 days - OR - Total hours on-duty since restart	Hours available tomorrow. 60 hours minus col. A	Total hours on-duty last 7 days - OR - Total hours on-duty since restart	
1					1				
2					2				
3					3				
4					4				
5					5				
6					6				
7					7				
8					8				
9					9				
10					10				
11					11				
12					12				
13					13				
14					14				
15					15				
16					16				
17					17				
18					18				
19					19				
20					20				
21					21				
22					22				
23					23				
24					24				
25					25				
26					26				
27					27				
28					28				
29					29				
30					30				
31					31				

70 HOURS - 8 DAYS

Enter the number of working hours (on duty & driving) for each of the last seven days of the preceding month in the first seven spaces under the column headed "Hours Worked Today". Enter in the first space under Column A the Total of the number of hours worked during the last 7 days. Subtract the figure entered in Column A from 70 hours and enter this figure - hours available for tomorrow - in Column B.

At the end of each day, complete the first three columns adjacent to the days of month in the same manner as explained above. Total the number of hours worked during the last 8 days and enter in Column C. If any number in Column C exceeds 70, no driving should have been done. Any driving that was done is a violation and should be circled for easy identification.

34-hour restart: If you look 34 consecutive hours off duty, you have 70 hours available again. You would then begin your totaling on the day of the restart and not go back the full 7 or 8 days.

60 HOURS - 7 DAYS

Follow the same instructions provided for completing the summary sheet for 8 days - 70 hours, except substitute last six days for last seven days and 60 hours for 70 hours.

34-hour restart: If you look 34 consecutive hours off duty, you have 60 hours available again. You would then begin your totaling on the day of the restart and not go back the full 6 or 7 days.

US,

BOUND EDGE (SAP 500605) (Rev. 8/05)

EPAHQ041000037



DRIVER'S DAILY LOG

(24 HOURS)

09/01/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

Total Miles Driving Today

Total Mileage Today

70 Hour/
8 Day
Drivers

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

24
0
0
0
24

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

09/02/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

RECAP

Complete at
end of week.

13 1/2
On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

151 151
Total Miles Driving Today Total Mileage Today

085/228/243
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

004246672
004246695
004246675
SHIPPING
DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

09/03/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

RECAP

Complete at end of week

On-duty hours today. (Total lines 3 & 4)

70 Hour/
8 Day
Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/
7 Day
Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

265 265
Total Miles Driving Today Total Mileage Today

285/246/242
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

71403
22698
SHIPPING
DOCUMENTS:
21455

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



BOUND EDGE

B/C

ICE

8/05
8/C
BOUND EDGE
GE

DRIVER'S DAILY LOG

(24 HOURS)

09/04/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct

Driver's Full Signature

Co-Driver's Name

RECAP

Complete at
end of workday.

10/12

On-duty hours
today. (Total
lines 5 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

09 / 05 / 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

On duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 6 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Brent S. Grogg

Driver's Full Signature

Co-Driver's Name

355 355

Total Miles Driving Today Total Mileage Today

285 / LT-638

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

- 1. OFF DUTY
- 2. SLEEPER BERTH
- 3. DRIVING
- 4. ON DUTY (NOT DRIVING)



10 1/2
0
7 1/2
6
24

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

71137
Houston, TX pickup
Denuder, L9
San Wier, TX
Houston, TX pickup

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: To:

601-L



USE TIME STANDARD AT HOME TERMINAL

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BOUND EDGE

8/0

AGE



DRIVER'S DAILY LOG

(24 HOURS)

08 / 06 / 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

On-duty hours
today (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

A.
Total hours on
duty last 7 days,
including today.

MID-
NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL
HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

REMARKS

MID-
NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

09/07/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



**DRIVER'S DAILY LOG**

(24 HOURS)

09/08/08
(Month) (Day) (Year)Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days**RECAP**
Complete at
end of workday.**CES ENVIRONMENTAL SERVICES**

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

**70 Hour/
8 Day
Drivers**
A. Total hours on
duty last 7 days,
including today.B. Total hours
available
tomorrow.
70 hr. minus A.*C. Total hours on
duty last 8 days,
including today.**60 Hour/
7 Day
Drivers**A. Total hours on
duty last 6 days,
including today.B. Total hours
available
tomorrow.
60 hr. minus A.*C. Total hours on
duty last 7 days,
including today.*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.157 157
Total Miles Driving Today Total Mileage Today285/232
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

SHIPPING
DOCUMENTS:B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

1977 1977
Total Miles Driving Today Total Mileage Today

285 / LT-638
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

09 / 09 / 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address
I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									17
2. SLEEPER BERTH																									39
3. DRIVING																									89
4. ON DUTY (NOT DRIVING)																									24
REMARKS																									

71737

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP

Complete at end of workday.

On duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

09/10/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

RECAP

Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

192 192
Total Miles Driving Today Total Mileage Today

285 LT-638
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

71739
71764

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: To:

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601-L



BOUND EDGE

8/C

GE



DRIVER'S DAILY LOG

(24 HOURS)

09/11/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

285 LT-1264
MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:B/L or Manifest No.
or

Shipper & Commodity

From:

To:

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RECAP

Complete at
end of workday.On-duty hours
today: (Total
lines 3 & 4)70 Hour/
8 Day
DriversA. Total hours on
duty last 7 days,
including today.B. Total hours
available
tomorrow.
70 hr. minus A.*Total hours on
duty last 8 days,
including today.60 Hour/
7 Day
DriversA. Total hours on
duty last 6 days,
including today.B. Total hours
available
tomorrow.
60 hr. minus A.*C. Total hours on
duty last 7 days,
including today.*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



DRIVER'S DAILY LOG

(24 HOURS)

Total Miles Driving Today

Total Mileage Today

(Month)

(Day)

(Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									0
3. DRIVING																									0
4. ON DUTY (NOT DRIVING)																									0
REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	24

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

09 / 13 / 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

**70 Hour/
8 Day
Drivers**

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

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601-L



BOUND EDGE

8/0

AGE



DRIVER'S DAILY LOG

(24 HOURS)

09/14/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

TOTAL
HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)MID-
NIGHT

1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

SHIPPING
DOCUMENTS:B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported to and where released from work and when and where each change of duty occurred.

From:

To:

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601-L



BOUND EDGE

8/0

DGE



DRIVER'S DAILY LOG

(24 HOURS)

(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

Total Miles Driving Today

Total Mileage Today

RECAP
 Complete at
 end of workday.

 On-duty hours
 today. (Total
 lines 3 & 4)

**70 Hour/
 8 Day
 Drivers**
A.
 Total hours on
 duty last 7 days,
 including today.

B.
 Total hours
 available
 tomorrow.
 70 hr. minus A.*

C.
 Total hours on
 duty last 8 days,
 including today.

**60 Hour/
 7 Day
 Drivers**
A.
 Total hours on
 duty last 6 days,
 including today.

B.
 Total hours
 available
 tomorrow.
 60 hr. minus A.*

C.
 Total hours on
 duty last 7 days,
 including today.

 *If you took
 34 consecutive
 hours off duty,
 you have 60/70
 hours available
 again.


601-L

Enter name of place you reported and where released from work and when and where each change of duty occurred.

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1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

BOUND EDGE

H/O

GE



DRIVER'S DAILY LOG

(24 HOURS)

(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: _____ To: _____
USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

(Month)

(Day)

(Year)

Original - File at home terminal

Duplicate - Driver retains in his/her possession for eight days

RECAP

Complete at end of workday.

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																								
2. SLEEPER BERTH																								
3. DRIVING																								
4. ON DUTY (NOT DRIVING)																								
REMARKS																								

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																								
2. SLEEPER BERTH																								
3. DRIVING																								
4. ON DUTY (NOT DRIVING)																								
REMARKS																								

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days
RECAP
Complete at
end of workday.
On-duty hours
today. (Total
lines 3 & 4)
**70 Hour/
8 Day
Drivers**
A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**
A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

 *If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																								
2. SLEEPER BERTH																								
3. DRIVING																								
4. ON DUTY (NOT DRIVING)																								

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

(Month)

(Day)

(Year)

Original - File at home terminal

Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

RECAP
 Complete at
 end of workday.

 On-duty hours
 today. (Total
 lines 3 & 4)

**70 Hour/
 8 Day
 Drivers**

 A.
 Total hours on
 duty last 7 days,
 including today.

 B.
 Total hours
 available
 tomorrow.
 70 hr. minus A.*

 C.
 Total hours on
 duty last 8 days,
 including today.

**60 Hour/
 7 Day
 Drivers**

 A.
 Total hours on
 duty last 6 days,
 including today.

 B.
 Total hours
 available
 tomorrow.
 60 hr. minus A.*

 C.
 Total hours on
 duty last 7 days,
 including today.

 *If you took
 34 consecutive
 hours of duty,
 you have 60/70
 hours available
 tomorrow.


601-L

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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Total Miles Driving Today

Total Mileage Today

 Truck/Tractor and Trailer Numbers or
 License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TO: AI HOUR

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

 SHIPPING
 DOCUMENTS:

 B/L or Manifest No.
 or

Shipper & Commodity

 BOUND EDGE
 8/0

IGE



DRIVER'S DAILY LOG

(24 HOURS)

(Month)

(Day)

(Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

Total hours on
duty last 8 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

09/21/03
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								04
																								0
																								0
																								0

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

09 / 22 / 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of work day

13 1/4
Total hours on duty last 7 days, including today

70 Hour / 8 Day Drivers

Total hours on duty last 7 days, including today

B. Total hours available tomorrow, hr. minus A.

C. Total hours on duty last 8 days, including today

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today

B. Total hours available tomorrow, hr. minus A.

C. Total hours on duty last 7 days, including today

60 Hour / 7 Day Drivers

Total hours on duty last 6 days, including today

Total hours available tomorrow, hr. minus A.

Total hours on duty last 7 days, including today

60 Hour / 7 Day Drivers

Total hours on duty last 6 days, including today

Total hours available tomorrow, hr. minus A.

Total hours on duty last 7 days, including today

60 Hour / 7 Day Drivers

Total hours on duty last 6 days, including today

Total hours available tomorrow, hr. minus A.

Total hours on duty last 7 days, including today

60 Hour / 7 Day Drivers

Total hours on duty last 6 days, including today

Total hours available tomorrow, hr. minus A.

Total hours on duty last 7 days, including today

60 Hour / 7 Day Drivers

Total hours on duty last 6 days, including today

Total hours available tomorrow, hr. minus A.

Total hours on duty last 7 days, including today

BOUND EDGE

1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10

REMARKS

004248756

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



BOUND EDGE



DRIVER'S DAILY LOG

(24 HOURS)

09 / 22 / 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A. Total hours on duty last 7 days including today

B.
Total hours
available
tomorrow.
70 hr. minus A

C. Total hours on duty last 8 days including today

**60 Hour/
7 Day
Drivers**

A. Total hours on duty last 6 days including today

B.
Total hours
available
tomorrow.
60 hr. minus A.

C.
Total hours on
duty last 7 days
including today

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

601-L



Enter name of place you reported and where released from work and when and where each change of duty occurred:

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S DAILY LOG

(24 HOURS)

09/23/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for 7 days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

397 397
Total Miles Driving Today Total Mileage Today

2000 L-6731/267

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP

Complete at end of week.

15

70 Hour/8 Day Drivers

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow, 70 hr. minus A.

Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow, 60 hr. minus A.

C. Total hours on duty last 7 days, including today.

If you took 34 consecutive hours off duty, you have 60.70 hours available again.

601-L



BOUND EDGE

8/05
BOUND EDGE
8/0
AGE



DRIVER'S DAILY LOG

(24 HOURS)

Total Miles Driving Today 397 Total Mileage Today 397

(Month) 01 (Day) 03 (Year) 10

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

2000 L-6731/26

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									
2. SLEEPER BERTH																									
3. DRIVING																									
4. ON DUTY (NOT DRIVING)																									
REMARKS																									

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP

Complete at end of week/day.

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

601-L





DRIVER'S DAILY LOG

(24 HOURS)

 09/24/08
 (Month) (Day) (Year)

 Original - File at home terminal.
 Duplicate - Driver retains in his/her possession for eight days.

CES ENVIRONMENTAL SERVICES

 Name of Carrier or Carriers
 4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

 Driver's Full Signature
Brent Dittig

Co-Driver's Name

 Truck/Tractor and Trailer Numbers or
 License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

 MECAP
 Copies at
 end of month
 1/3/4
 70 Hour/
 8 Day
 Drivers

 A. Total hours on
 duty last 7 days,
 including today.

 B. Total hours
 available
 tomorrow,
 70 hr. minus A.

 C. Total hours on
 duty last 8 days,
 including today.

 60 Hour/
 7 Day
 Drivers

 A. Total hours on
 duty last 7 days,
 including today.

 B. Total hours on
 duty last 7 days,
 including today.

 C. Total hours on
 duty last 7 days,
 including today.

 If you work
 54 consecutive
 hours of duty,
 you have 60/70
 hours available
 again.

601-L



Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

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DRIVER'S DAILY LOG

(24 HOURS)

(Month)

(Day)

(Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																								
2. SLEEPER BERTH																								
3. DRIVING																								
4. ON DUTY (NOT DRIVING)																								
REMARKS																								

RECAP

Complete at

end of workday

On-duty hours today. (Total lines 3 & 4)

70 Hour / 8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

601-L



USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S DAILY LOG

(24 HOURS)

09/25/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify that entries are true and correct.

Brent Little

Driver's Full Signature

Co-Driver's Name

Total Miles Driving Today

Total Mileage Today

288 / L-6731

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

RECAP

Complete at end of work day

12

Out of hours today: Total hours 5 & 11

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow 70 hr minus A.

C. Total hours on duty last 7 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow 60 hr minus A.

C. Total hours on duty last 7 days, including today.

If you took 34 consecutive hours of duty, you have 30-70 hours available again.

BOUND EDGE

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									00
2. SLEEPER BERTH																									04
3. DRIVING																									08
4. ON DUTY (NOT DRIVING)																									24

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
004248926																									00
Houston, TX																									04
Port Arthur, TX																									08
Houston, TX																									24

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

(Month) 12 (Day) 25 (Year) 2005

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT

1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP
Complete at
end of workdayOn duty hours
today. (Total
lines 3 & 4)70 Hour/
8 Day
DriversA. Total hours on
duty last 7 days,
including today.B. Total hours
available
tomorrow.
70 hr. minus A.*C. Total hours on
duty last 7 days,
including today.60 Hour/
7 Day
DriversA. Total hours on
duty last 6 days,
including today.B. Total hours
available
tomorrow.
60 hr. minus A.*C. Total hours on
duty last 7 days,
including today.*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L





DRIVER'S DAILY LOG

(24 HOURS)

Total Miles Driving Today Total Mileage Today

(Month) 07 (Day) 26 (Year) 2007

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature [Signature]

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

From:

To:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

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RECAP

Complete at end of week

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



601-L



DRIVER'S DAILY LOG

(24 HOURS)

09/27/08
(Month) (Day) (Year)

Original - File at home terminal.
Duplicate - Driver retains in his/her possession for eight days.

RECAP
Complete at
end of week/day.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

Total Miles Driving Today

Total Mileage Today

102/277/208
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

70 Hour/
5 Day
Drivers

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow
70 hr minus A.

C. Total hours on
duty last 7 days,
including today.

60 Hour/
7 Day
Drivers

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow
60 hr minus A.

C. Total hours on
duty last 7 days,
including today.

It is not to be
used to determine
hours off duty.
can have 10-10
hours available
again.

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)MID-
NIGHT

1

2

3

4

5

6

7

8

9

10

11

NOON

1

2

3

4

5

6

7

8

MID-
NIGHT

1

2

3

4

5

6

7

8

9

10

11

REMARKS

72826

SHIPPING
DOCUMENTS:B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



BOUND EDGE



DRIVER'S DAILY LOG

(24 HOURS)

 09/13/10
 (Month) (Day) (Year)

 Original - File at home terminal
 Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

RECAP
 Complete at
 end of workday.

 On-duty hours
 today (Total
 lines 3 & 4)

**70 Hour/
 8 Day
 Drivers**

 A.
 Total hours on
 duty last 7 days,
 including today.

 B.
 Total hours
 available
 tomorrow.
 70 hr. minus A.*

 C.
 Total hours on
 duty last 8 days,
 including today.

**60 Hour/
 7 Day
 Drivers**

 A.
 Total hours on
 duty last 6 days,
 including today.

 B.
 Total hours
 available
 tomorrow.
 60 hr. minus A.*

 C.
 Total hours on
 duty last 7 days,
 including today.

 *If you took
 34 consecutive
 hours off duty,
 you have 60/70
 hours available
 again.

 195 195
 Total Miles Driving Today Total Mileage Today

 102/277/208
 Truck/Tractor and Trailer Numbers or
 License Plate(s)/ State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

 SHIPPING
 DOCUMENTS:

 B/L or Manifest No.
 or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

09/28/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession at end of day.

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Bret Shultz
Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. time limit.

C. Total hours on
duty last 8 days,
including today.

If you took
41 consecutive
hours of duty,
you have 49/70
hours available
again.

60 Hour/
7 Day
Drivers

70 Hour/
8 Day
Drivers

One day hours
today. If not
lines 3 & 4.

0

24
0
0
0
24

BOUND EDGE



DRIVER'S DAILY LOG

(24 HOURS)

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

**SHIPPING
DOCUMENTS:**

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

© Copyright 2005 & Published by J. J. KELLER & ASSOCIATES, INC.

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hours/
8 Day
Drivers**

A. _____
Total hours on
duty last 7 days,
including today.

B.

Total hours
available
tomorrow.
70 hr. minus A. *

c. _____
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 8 days,
including today.

B. _____
Total hours
available
tomorrow.
60 hr. minus A.*

C. _____
Total hours on
duty last 7 days,
including today.

*If you took 34 consecutive hours off duty, you have 66/70 hours available again.

601-L





DRIVER'S DAILY LOG

(24 HOURS)

09/29/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Brent Willey
Driver's Full Signature

Co-Driver's Name

217 217
Total Miles Driving Today Total Mileage Today

25/261
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

RECAP
Complete at
end of duty day.

13
On-duty hours
today. (Total
lines 5 & 11)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
today.
70 hr. max. = 70

C.
Total hours on
duty last 7 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
today.
60 hr. max. = 60

C.
Total hours on
duty last 7 days,
including today.

If you are
34 or more
hours on duty,
you have 60/70
hours available
again.

BOUND EDGE

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	TOTAL HOURS
1. OFF DUTY																								11
2. SLEEPER BERTH																								0
3. DRIVING																								4 3/4
4. ON DUTY (NOT DRIVING)																								8 1/4

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
REMARKS																									24

72846

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:


To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

217

217

Total Miles Driving Today

Total Mileage Today

09/29/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021
Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021
Home Terminal Address

RECAP
Complete at end of today.
On-duty hours today: (Total lines 3 & 4)
70 Hour/8 Day Drivers

2051261
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

A. Total hours on duty last 7 days, including today.

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	TOTAL HOURS
1. OFF DUTY																								
2. SLEEPER BERTH																								
3. DRIVING																								
4. ON DUTY (NOT DRIVING)																								

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

REMARKS

72846

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

If you took 34 consecutive hours off duty, you have 60/70 hours available again.

BOUND EDGE

AGE



DRIVER'S DAILY LOG

(24 HOURS)

09/30/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify that entries are true and correct

Driver's Full Signature

Co-Driver's Name

RECAP
Complete
end of workday

13/14
Quantity of
trucks, trailers,
etc. in use

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today

B.
Total hours
available
tomorrow
70 hr. minus A

C.
Total hours on
duty last 7 days,
including today

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 7 days,
including today

B.
Total hours
available
tomorrow
60 hr. minus A

C.
Total hours on
duty last 7 days,
including today



601-L

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

72971
72972

Houston, TX
Pre-trip

Port Arthur, TX

BOUND EDGE



DRIVER'S DAILY LOG

(24 HOURS)

(Month) / (Day) / (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									
2. SLEEPER BERTH																									
3. DRIVING																									
4. ON DUTY (NOT DRIVING)																									
REMARKS																									

RECAP
Complete at end of workday.

On-duty hours today (Total lines 3 & 4)

70 Hour / 8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow, 70 hr. minus A.*

C. Total hours on duty last 7 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow, 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where and when and where reported.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



Instructions for Completing the Driver's Daily Log (\$395.8)

© J. J. Keller & Associates, Inc.

As a driver, you are required to fill out a daily log (duty status record) for each 24-hour period. You must have a log for every day, including days off.

All information must be true and correct. You must make all of your own entries (except for preprinted items). If you make any incomplete or false entries, both you and/or your carrier are liable to prosecution.

Information Required on the Form

You must provide the following information on the form:

Date. You must write down the month, day, and year for the beginning of each 24-hour period.

Total miles driving today. You must record the total number of miles you drove during the 24-hour period.

Truck or tractor and trailer numbers. You must write down either the vehicle number(s) assigned by your company, or the license number and licensing state for each commercial motor vehicle operated during the 24-hour period.

Name of carrier. You must write down the name of the motor carrier(s) you are working for. If you are working for more than one carrier in a 24-hour period, you must list the times you started and finished work for each carrier.

Driver's signature/certification. You must certify that all of your entries are true and correct by signing your log with your legal name or name of record.

Time base to be used. You must use the time standard in effect at your home terminal, and also the 24-hour period starting time designated for your home terminal.

Main office address. Your carrier's main office address must be on the record of duty status.

Remarks. This is the area where you must list the city, town, or village, and state abbreviation when a change of duty status occurs.

Name of co-driver. Write the name of your co-driver, if you have one.

Total hours. You must add and record the total hours for each duty status at the right of the grid. The total of the entries must equal 24 hours.

Shipping document number(s), or name of shipper and commodity.

How to Complete the Grid

The grid portion of your log must be kept current to the time shown for the last change of duty status. You must record your duty status on the grid as follows:

- Off Duty
- Sleeper Berth
- Driving
- On Duty (Not Driving)

Off Duty. Except for time resting in a sleeper berth, you must draw a continuous line between the appropriate time markers to show the periods of time when you are not on duty, not required to be in readiness to work, or not performing work.

Sleeper Berth. You must draw a continuous line between the appropriate time markers to show the periods of time when you are off duty in a sleeper berth.

Driving. You must draw a continuous line between the appropriate time markers to show the periods of time when you are at the driving controls of a commercial motor vehicle in operation.

On Duty (Not Driving). You must draw a continuous line between the appropriate time markers to show the periods of time when you are on duty, but not driving.

For each change of duty status, the name of the city, town, or village, with state abbreviation, must be recorded in the Remarks section. If a change of duty status occurs at a location other than a city, town, or village, you must show one of the following:

- The highway number and the nearest milepost followed by the name of the nearest city, town, or village and state abbreviation,
- The highway number and the name of the service area followed by the name of the nearest city, town, or village and state abbreviation,
- The highway numbers of the two nearest intersecting roads followed by the name of the nearest city, town, or village, and state abbreviation.

Additional Notes

After you have completed your log, the regulations allow you 15 days to forward the original copy to your employer. Your employer may require you to turn it in sooner.

You must keep a copy of your completed log for the next 7 consecutive days. The copies must be available for inspection by law enforcement at any time while you are on duty.

If you work for more than one motor carrier during a 24-hour period, you must submit a copy of your record of duty status to each motor carrier. The record must include:

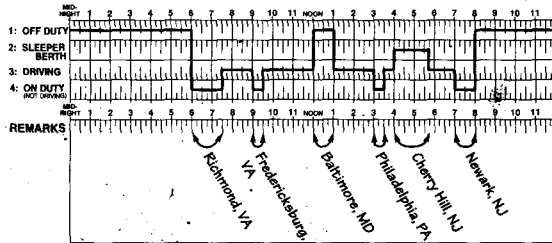
- All duty time for the entire 24-hour period,
- The name of each motor carrier you worked for during the 24-hour period, and
- The beginning and finishing time, including a.m. or p.m., worked for each motor carrier.

SAP 500690 (Rev. 8/05)

BOUND EDGE

Sample Completed Grid

The following grid illustrates how a driver's duty status should be recorded for a trip from Richmond, Virginia, to Newark, New Jersey. The grid reflects the midnight-to-midnight 24-hour period.



Graph Grid (midnight to midnight operation)

The driver in this instance reported for duty at the motor carrier's terminal. The driver reported for work at 6 a.m., helped load, checked with dispatch, made a pretrip inspection, and performed other duties until 7:30 a.m. when the driver began driving. At 9 a.m. the driver had a minor accident in Fredericksburg, Virginia, and spent one half hour handling details with the local police. The driver arrived at the company's Baltimore, Maryland, terminal at noon and went to lunch while minor repairs were made to the tractor. At 1 p.m. the driver resumed the trip and made a delivery in Philadelphia, Pennsylvania,

between 3 p.m. and 3:30 p.m. at which time the driver started driving again. Upon arrival at Cherry Hill, New Jersey, at 4 p.m., the driver entered the sleeper berth for a rest break until 5:45 p.m. at which time the driver resumed driving again. At 7 p.m. the driver arrived at the company's terminal in Newark, New Jersey. Between 7 p.m. and 8 p.m. the driver prepared the required paperwork including completing the driver's record of duty status, driver vehicle inspection report, insurance report for the Fredericksburg, Virginia accident, checked for the next day's dispatch, etc. At 8 p.m. the driver went off duty.

Explanations

Main Points of 2005 Hours of Service Regulations (Property-Carrying Vehicles)

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- **Off-duty time:** 10 consecutive hours.
- **On-duty time:** 14 consecutive hours after coming on duty.
- **Driving time:** 11 hours.
- **Weekly limits:** 60 hours/7 days or 70 hours/8 days (no change).
- **34-hour restart:** The 60/70-hour clock may restart after 34 consecutive hours off duty.
- **Split sleeper berth:** One period of at least 8 (but less than 10) consecutive hours in the sleeper berth; and a separate period, before or after the 8-hour period, of at least 2 (but less than 10) consecutive hours. The 22-hour period may be in the sleeper berth, or a combination of the two. The 22-hour period may be counted as part of the 14-hour period, and be followed by the 10-hour off-duty period.

- hour, and 14-hour rules must begin from the end of the first of the two periods.
- **Short-haul 16-hour exception:** An on-duty period can be extended if the driver has been released from normal work reporting location within 5 duty tours, is released from normal work reporting location within 5 duty tours, and has not used the sleeper berth during the 16-hour period.
- **Emergency 16-hour exception:** A driver may be required to operate a vehicle for more than 14 hours if the driver is responding to an emergency situation.

J. J. Keller & Associates, Inc.



J. J. Keller
& Associates, Inc.
Since 1953



OFFICIAL DELUXE COPY

DRIVER'S DAILY LOG

PRESCRIBED BY FEDERAL MOTOR CARRIER SAFETY ADMINISTRATION
U.S. DEPARTMENT OF TRANSPORTATION



Jan 02-2009

MONTH: *Dec 10-31* YEAR: *2008*

DRIVER: *Sittig B.*

CARRIER: *CES-PA*

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Rev. 7/06

MONTHLY SUMMARY SHEET

MONTH: _____

If you operate on the period of 70 hours in 8 days, use the summary sheet on the left; if you operate on the period of 60 hours in 7 days, use the summary sheet on the right.

The figures 1 to 31 represent calendar days, and entries should be made for each day - even when driver does not work. If no work is performed, enter zero (0) in first column and compute other columns as explained below.

70 HR/8 DAY DRIVERS ONLY				60 HR/7 DAY DRIVERS ONLY					
Day of mo.	Hours Worked Today (Total of lines 3 & 4 on graph)	A	B	C	Day of mo.	Hours Worked Today (Total of lines 3 & 4 on graph)	A	B	C
Last 7 days of preceding month		Total hours on-duty last 7 days - OR - Total hours on-duty since restart	Hours available tomorrow. 70 hours minus col. A	Total hours on-duty last 8 days - OR - Total hours on-duty since restart	Last 7 days of preceding month		Total hours on-duty last 6 days - OR - Total hours on-duty since restart	Hours available tomorrow. 60 hours minus col. A	Total hours on-duty last 7 days - OR - Total hours on-duty since restart
1					1				
2					2				
3					3				
4					4				
5					5				
6					6				
7					7				
8					8				
9					9				
10					10				
11					11				
12					12				
13					13				
14					14				
15					15				
16					16				
17					17				
18					18				
19					19				
20					20				
21					21				
22					22				
23					23				
24					24				
25					25				
26					26				
27					27				
28					28				
29					29				
30					30				
					31				

70 HOURS - 8 DAYS
Enter the number of working hours (on duty & driving) for each of the last seven days of the preceding month in the first seven spaces under the column headed "Hours Worked Today". Enter in the first space under Column A the Total of the number of hours worked during the last 7 days. Subtract the figure entered in Column A from 70 hours and enter this figure - hours available for tomorrow - in Column B.
At the end of each day, complete the first three columns adjacent to the days of month in the same manner as explained above. Total the number of hours worked during the last 8 days and enter in Column C. If any number in Column C exceeds 70, no driving should have been done. Any driving that was done is a violation and should be circled for easy identification.
34-hour restart: If you took 34 consecutive hours of duty, you have 70 hours available again. You would then begin your totaling on the day of the restart and not go back the full 7 or 8 days.

60 HOURS - 7 DAYS
Follow the same instructions provided for completing the summary sheet for 8 days - 70 hours, except substitute last six days for last seven days and 60 hours for 70 hours.
34-hour restart: If you took 34 consecutive hours of duty, you have 60 hours available again. You would then begin your totaling on the day of the restart and not go back the full 6 or 7 days.



DRIVER'S DAILY LOG

(24 HOURS)

12/10/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of week/day.

13
On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

77621

103429

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

12 / 11 / 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP

Completed

today

On-duty hours

today. (Total

lines 3 & 4)

70 Hour/

8 Day

Drivers

224 224
Total Miles Driving Today Total Mileage Today

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

285/261
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/ 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 4 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

12/12/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of working
day. (Total
lines 3 & 4)

311

311

Total Miles Driving Today

Total Mileage Today

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

285/255/265

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

77377
77444

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow, 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow, 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

Total Miles Driving Today

Total Mileage Today

12/13/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

[Signature]
Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									0
3. DRIVING																									0
4. ON DUTY (NOT DRIVING)																									0

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
REMARKS																									24

SHIPPING
DOCUMENTS:B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

12/14/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Bert S. Hagg
Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									0
3. DRIVING																									0
4. ON DUTY (NOT DRIVING)																									0

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
REMARKS																									24

SHIPPING DOCUMENTS:

R/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

Total Miles Driving Today 171 Total Mileage Today 171

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

285/208

12/15/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature Brent D. Liley

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

004248109
004248113
004248116
SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP Complete at end of week/day.

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

Total Miles Driving Today 205 Total Mileage Today 205

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									11
2. SLEEPER BERTH																									4 1/2
3. DRIVING																									8 1/2
4. ON DUTY (NOT DRIVING)																									24

REMARKS

78001

004248806

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

12/17/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of day.

235 235
Total Miles Driving Today Total Mileage Today

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

285/208
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

I certify these entries are true and correct:

**70 Hour/
8 Day
Drivers**

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									11
2. SLEEPER BERTH																									2
3. DRIVING																									5 1/4
4. ON DUTY (NOT DRIVING)																									73 1/4

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
REMARKS																									24

004248236
004248237
004248238

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

12 / 18 / 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct
[Signature]

Driver's Full Signature

Co-Driver's Name

54 54
Total Miles Driving Today Total Mileage Today

285 / 218
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

RECAP

Completed
8/14

On-duty hours today. (Total lines 3 & 4)

70 Hour / 8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								13 1/4
																								0
																								1 1/2
																								7 1/4

REMARKS

78211

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

12/19/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

285 261

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

78289
78291

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP

Complete at end of work day

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

601-L





DRIVER'S DAILY LOG

(24 HOURS)

Total Miles Driving Today 129 Total Mileage Today 129

285 / 237

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

12 / 20 / 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct
Brent Smith

Driver's Full Signature

Co-Driver's Name

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
-----------	---	---	---	---	---	---	---	---	---	----	----	------	---	---	---	---	---	---	---	---	---	----	----	-------------

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

77921

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP Complete at end of 7th day

On-duty Hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

Total Miles Driving Today Total Mileage Today

(Month) 12 (Day) 21 (Year) 2005

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG (24 HOURS)

12/22/05
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021
Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021
Home Terminal Address

117 117
Total Miles Driving Today Total Mileage Today

255 / 225 / 264 / 224

Truck/Tractor and Trailer Numbers, or
License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								11 1/2
																								0
																								3
																								9 1/2
																								2 1/2

REMARKS

78141
04248280

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L





DRIVER'S DAILY LOG

(24 HOURS)

12/23/07
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

120 129
Total Miles Driving Today Total Mileage Today

255/255/268
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
-----------	---	---	---	---	---	---	---	---	---	----	----	------	---	---	---	---	---	---	---	---	---	----	----	-------------

1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
-----------	---	---	---	---	---	---	---	---	---	----	----	------	---	---	---	---	---	---	---	---	---	----	----	-------------

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP
Complete at end of workday.

On-duty hours today, (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow, 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow, 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

601-L





DRIVER'S DAILY LOG

(24 HOURS)

190

190

Total Miles Driving Today

Total Mileage Today

285/258

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

1-104-108
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

78551

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP

Complete at end of shift

100

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

Total hours on duty last 6 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

601-L





DRIVER'S DAILY LOG

(24 HOURS)

12/23/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
-----------	---	---	---	---	---	---	---	---	---	----	----	------	---	---	---	---	---	---	---	---	---	----	----	-------------

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

Total Miles Driving Today 346 Total Mileage Today 346

12 / 26 / 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

2851268

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									12 1/2
2. SLEEPER BERTH																									9
3. DRIVING																									6 3/4
4. ON DUTY (NOT DRIVING)																									5

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																									21

004253742
004253743

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Port Arthur, TX
Basden, TX
Port Arthur, TX
Basden, TX
A
Port Arthur, TX

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP

Complete at end of workday

On-duty Hours today. (Total lines 3 & 4)

70 Hour / 8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 7 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

(Month)

(Day)

(Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

© Copyright 2005 & Published by J. J. KELLER & ASSOCIATES, INC.

601-L



RECAP

Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

12 12 1 00
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAL
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Total Miles Driving Today Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
-----------	---	---	---	---	---	---	---	---	---	----	----	------	---	---	---	---	---	---	---	---	---	----	----	-------------

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

2/29/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

234 234
Total Miles Driving Today Total Mileage Today

2851069
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

004248823
004248822
004248821

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP

Complete at end of workday
7774
On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

12/30/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

426 426
Total Miles Driving Today Total Mileage Today

205 LT-848
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

78753
78754

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP Complete at end of workday.

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 7 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

(Month)

(Day)

(Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

Total Miles Driving Today 130 Total Mileage Today 130

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

01/01/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

Total Miles Driving Today Total Mileage Today

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021
Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021
Home Terminal Address

I certify these entries are true and correct.

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature *[Signature]*

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									0
3. DRIVING																									0
4. ON DUTY (NOT DRIVING)																									0

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																									24

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/ 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

01/02/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

328
328
 Total Miles Driving Today Total Mileage Today

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

• Home Terminal Address

285/LT 423/208
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit) 218

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
-----------	---	---	---	---	---	---	---	---	---	----	----	------	---	---	---	---	---	---	---	---	---	----	----	-------------

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11
------------------	----------	----------	----------	----------	----------	----------	----------	----------	----------	-----------	-----------	-------------	----------	----------	----------	----------	----------	----------	----------	----------	----------	-----------	-----------

REMARKS

78989
78987
78991
SHIPPING

**SHIPPING
DOCUMENTS:**

B/L or Manifest No.
or

Shipper & Commodity**From:**

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. _____
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.

Total hours on duty last 6 days, including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

***If you took 34 consecutive hours off duty, you have 60/70 hours available again.**



DRIVER'S DAILY LOG

(24 HOURS)

(Month) / (Day) / (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days
RECAP
 Complete at
 end of workday.

Total Miles Driving Today

Total Mileage Today

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
	1. OFF DUTY																								
2. SLEEPER BERTH																									
3. DRIVING																									
4. ON DUTY (NOT DRIVING)																									
REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	

SHIPPING
DOCUMENTS:B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L


 Total hours on
 duty last 7 days,
 including today.

 B. Total hours
 available
 tomorrow.
 70 hr. minus A.*

 C. Total hours on
 duty last 8 days,
 including today.

**60 Hour/
7 Day
Drivers**

 A. Total hours on
 duty last 6 days,
 including today.

 B. Total hours
 available
 tomorrow.
 60 hr. minus A.*

 C. Total hours on
 duty last 7 days,
 including today.

 *If you took
 34 consecutive
 hours off duty,
 you have 60/70
 hours available
 again.

BOUND EDGE



Instructions for Completing the Driver's Daily Log (\$395.8)

© J. J. Keller & Associates, Inc.

As a driver, you are required to fill out a daily log (duty status record) for each 24-hour period. You must have a log for every day, including days off.

All information must be true and correct. You must make all of your own entries (except for preprinted items). If you make any incomplete or false entries, both you and/or your carrier are liable to prosecution.

Information Required on the Form

You must provide the following information on the form:

Date. You must write down the month, day, and year for the beginning of each 24-hour period.

Total miles driving today. You must record the total number of miles you drove during the 24-hour period.

Truck or tractor and trailer numbers. You must write down either the vehicle number(s) assigned by your company, or the license number and licensing state for each commercial motor vehicle operated during the 24-hour period.

Name of carrier. You must write down the name of the motor carrier(s) you are working for. If you are working for more than one carrier in a 24-hour period, you must list the times you started and finished work for each carrier.

Driver's signature/certification. You must certify that all of your entries are true and correct by signing your log with your legal name or name of record.

Time base to be used. You must use the time standard in effect at your home terminal, and also the 24-hour period starting time designated for your home terminal.

Main office address. Your carrier's main office address must be on the record of duty status.

Remarks. This is the area where you must list the city, town, or village, and state abbreviation when a change of duty status occurs.

Name of co-driver. Write the name of your co-driver, if you have one.

Total hours. You must add and record the total hours for each duty status at the right of the grid. The total of the entries must equal 24 hours.

Shipping document number(s), or name of shipper and commodity.

How to Complete the Grid

The grid portion of your log must be kept current to the time shown for the last change of duty status. You must record your duty status on the grid as follows:

- Off Duty
- Sleeper Berth
- Driving
- On Duty (Not Driving)

Off Duty. Except for time resting in a sleeper berth, you must draw a continuous line between the appropriate time markers to show the periods of time when you are not on duty, not required to be in readiness to work, or not under any responsibility for performing work.

Sleeper Berth. You must draw a continuous line between the appropriate time markers to show the periods of time when you are off duty, resting in a sleeper berth.

Driving. You must draw a continuous line between the appropriate time markers to show the periods of time when you are at the driving controls of a commercial motor vehicle in operation.

On Duty (Not Driving). You must draw a continuous line between the appropriate time markers to show the periods of time when you are on duty, but not driving.

For each change of duty status, the name of the city, town, or village, with state abbreviation, must be recorded in the Remarks section. If the change of duty status occurs at a location other than a city, town, or village, you must show one of the following:

- The highway number and the nearest milepost followed by the name of the nearest city, town, or village and state abbreviation,
- The highway number and the name of the service plaza followed by the name of the nearest city, town, or village and state abbreviation, or
- The highway numbers of the two nearest intersecting roadways followed by the name of the nearest city, town, or village, and state abbreviation.

A Few Additional Notes

After you have completed your log, the regulations allow you 13 days to forward the original copy to your employer. Your employer may require you to turn it in sooner.

You must keep a copy of your completed log for the next 7 consecutive days. The copies must be available for inspection by law enforcement at any time while you are on duty.

If you work for more than one motor carrier during a 24-hour period, you must submit a copy of your record of duty status to each motor carrier. The record must include:

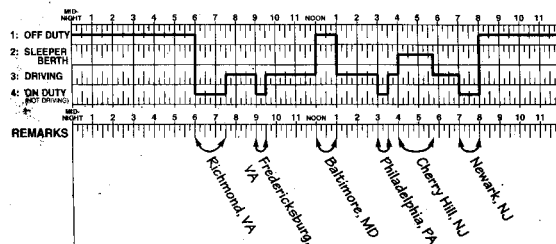
- All duty time for the entire 24-hour period,
- The name of each motor carrier you worked for during the 24-hour period, and
- The beginning and finishing time, including a.m. or p.m., worked for each motor carrier.

SAP 500690 (Rev. 8/05)

BOUND

Sample Completed Grid

The following grid illustrates how a driver's duty status should be recorded for a trip from Richmond, Virginia, to Newark, New Jersey. The grid reflects the midnight-to-midnight 24-hour period.



Graph Grid (midnight to midnight operation)

The driver in this instance reported for duty at the motor carrier's terminal. The driver reported for work at 6 a.m., helped load, checked with dispatch, made a pretrip inspection, and performed other duties until 7:30 a.m. when the driver began driving. At 9 a.m. the driver had a minor accident in Fredericksburg, Virginia, and spent one half hour handling details with the local police. The driver arrived at the company's Baltimore, Maryland, terminal at noon and went to lunch while minor repairs were made to the tractor. At 1 p.m. the driver resumed the trip and made a delivery in Philadelphia, Pennsylvania,

between 3 p.m. and 3:30 p.m. at which time the driver started driving again. Upon arrival at Cherry Hill, New Jersey, at 4 p.m., the driver entered the sleeper berth for a rest break until 5:45 p.m. at which time the driver resumed driving again. At 7 p.m. the driver arrived at the company's terminal in Newark, New Jersey. Between 7 p.m. and 8 p.m. the driver prepared the required paperwork including completing the driver's record of duty status, driver vehicle inspection report, insurance report for the Fredericksburg, Virginia accident, checked for the next day's dispatch, etc. At 8 p.m., the driver went off duty.



Main Points of 2005 Hours of Service Regulations (Property-Carrying Vehicles)

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- **Off-duty time:** 10 consecutive hours.
- **On-duty time:** 14 consecutive hours after coming on duty.
- **Driving time:** 11 hours.
- **Weekly limits:** 60 hours/7 days or 70 hours/8 days (no change).
- **34-hour restart:** The 60/70-hour clock may restart after 34 consecutive hours off duty.
- **Split sleeper berth:** One period of at least 8 (but less than 10) consecutive hours in the sleeper berth; and a separate period, before or after the 8-hour period, of at least 2 (but less than 10) consecutive hours. The 2-consecutive-hour period may be in the sleeper berth, off duty, or any combination of the two. The 8-hour period will not be counted as part of the 14 hours, but the 2-hour period will be counted as part of the 14 hours. Following the 14-hour period, hours available under the 11-

hour and 14-hour rules must be re-calculated from the end of the first of the two periods.

- **Short-haul 16-hour exception:** The 14-hour on-duty period can be extended to 16 hours if driver has been released from duty at the normal work reporting location for the previous 5 duty tours, is released from duty at the normal work reporting location within 16 hours, and has not used exception in the previous 6 days (except following a 34-hour restart of a 7/8-day period).
- **Compliance Date:** October 1, 2005



J. J. Keller
& Associates, Inc.

Since 1953

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— ORDER LOG BOOK FROM —

3003 W. Breezewood Lane, P.O. Box 368
Neenah, WI 54957-0368



J. J. Keller
& Associates, Inc.
Since 1953



OFFICIAL DELUXE COPY

DRIVER'S DAILY LOG

**PRESCRIBED BY FEDERAL MOTOR CARRIER SAFETY ADMINISTRATION
U.S. DEPARTMENT OF TRANSPORTATION**



MONTH: *August*

YEAR: *2008*

DRIVER: *Sittig B.*

CARRIER: *CES*

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Rev. 7/06

MONTHLY SUMMARY SHEET

MONTH: _____

If you operate on the period of 70 hours in 8 days, use the summary sheet on the left; if you operate on the period of 60 hours in 7 days, use the summary sheet on the right.

The figures 1 to 31 represent calendar days, and entries should be made for each day - even when driver does not work. If no work is performed, enter zero (0) in first column and compute other columns as explained below.

70 HR/8 DAY DRIVERS ONLY				60 HR/7 DAY DRIVERS ONLY			
Day of mo.	Hours Worked Today (Total of lines 3 & 4 on graph)	A	B	Day of mo.	Hours Worked Today (Total of lines 3 & 4 on graph)	A	B
		Total hours on-duty last 7 days - OR - Total hours on-duty since restart	Hours available tomorrow. 70 hours minus col. A			Total hours on-duty last 6 days - OR - Total hours on-duty since restart	Hours available tomorrow. 60 hours minus col. A
1				1			
2				2			
3				3			
4				4			
5				5			
6				6			
7				7			
8				8			
9				9			
10				10			
11				11			
12				12			
13				13			
14				14			
15				15			
16				16			
17				17			
18				18			
19				19			
20				20			
21				21			
22				22			
23				23			
24				24			
25				25			
26				26			
27				27			
28				28			
29				29			
30				30			
31				31			

USA

BOUND EDGE (SAP 500605) (Rev. 8/05)



DRIVER'S DAILY LOG

(24 HOURS)

08 / 01 / 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

855 / T-444

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

69285

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP Complete at end of workday.

On-duty hours today. (Total lines 3 & 4)

70 Hour / 8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

FD-601 (Rev. 05)

BOUND EDGE

BE



DRIVER'S DAILY LOG

(24 HOURS)

08, 02, 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

TOTAL HOURS

24

0

0

0

24

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

EPAHO041000111



DRIVER'S DAILY LOG

(24 HOURS)

08, 03, 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 8 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct: .

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



BOUND EDGE

DE



DRIVER'S DAILY LOG

(24 HOURS)

08, 04, 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

429 429
Total Miles Driving Today Total Mileage Today

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021
Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021
Home Terminal Address

I certify these entries are true and correct:

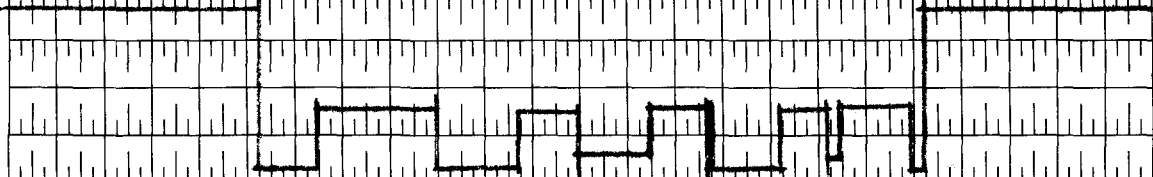
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)



10
9
12
6
12

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

004252269
004252268

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

08 / 03 / 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of shift

1012

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

69580

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

08, 06, 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

MID-NIGHT

1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP Complete at end of workday.

On-duty hours today (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 7 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

601-L



DRIVER'S DAILY LOG

(24 HOURS)

08, 07, 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at end of workday
11/14

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

285 / 210

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

004258746

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 6 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

08 / 08 / 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

120 120
Total Miles Driving Today Total Mileage Today

285/271/217
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

004252371
604252388
69820

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 6 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



Houston TX
Houston TX
Deer Park TX
Houston TX
Pasadena TX
Houston TX
Pasadena TX

Enter name of place you reported and where released from work and when and where each change of duty occurred.

BOUNDEDGE 005



DRIVER'S DAILY LOG

(24 HOURS)

08/08/07
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

08/10/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address
I certify these entries are true and correct.

On-duty hours
today: (Total
lines 3 & 4)
**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									0
3. DRIVING																									0
4. ON DUTY (NOT DRIVING)																									0

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																									24

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: _____ To: _____

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S DAILY LOG

(24 HOURS)

(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

MID-NIGHT

1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

From:

To:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP

Complete at end of week

11/24

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

DRIVER'S DAILY LOG

(24 HOURS)



08/12/10
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

RECAP

Complete at end of workday.

On duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

601-L



Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S DAILY LOG

(24 HOURS)

08/13/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

08 / 14 / 98
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

84 84
Total Miles Driving Today Total Mileage Today

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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BOUND EDGE LOG

GE

DRIVER'S DAILY LOG

(24 HOURS)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home/Terminal Address

I certify these entries are true and correct.

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 6 days,
including today.

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S DAILY LOG

(24 HOURS)

08/16/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									0
3. DRIVING																									0
4. ON DUTY (NOT DRIVING)																									0
REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	24

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

8/05



DRIVER'S DAILY LOG

(24 HOURS)

08 / 17 / 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

385 ALT-848

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L





DRIVER'S DAILY LOG

(24 HOURS)

08/18/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

RECAP

Complete at end of workday

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

244 244
Total Miles Driving Today Total Mileage Today

285/235/206
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

81068295
063319672

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S DAILY LOG

(24 HOURS)

(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

385

388

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

TOTAL

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-
NIGHT

REMARKS

**SHIPPING
DOCUMENTS:**

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

© Copyright 2005 & Published by J. J. KELLER & ASSOCIATES, INC

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

RECAP
Complete at
end of workday.

On-duty hours today. (Total lines 3 & 4)	
--	--

**70 Hour/
8 Day
Drivers**

A. Total hours on duty last 7 days including today

B.
Total hours
available
tomorrow.
70 hr. minus A

C. Total hours on duty last 8 days including today

**60 Hour/
7 Day
Drivers**

A. Total hours on duty last 6 days including today

B.

Total hours
available
tomorrow.
60 hr. minus A

C. Total hours on duty last 7 days including today

***If you took 34 consecutive hours off duty, you have 60/70 hours available again.**



601-L



DRIVER'S DAILY LOG

(24 HOURS)

Total Miles Driving Today 120
 Total Mileage Today 120

(Month) 08 (Day) 21 (Year) 12

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

Certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

70569
 70569
 368324-0
 SHIPPING DOCUMENTS:
 804255368

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP Complete at end of workday.

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

601-L





DRIVER'S DAILY LOG

(24 HOURS)

Total Miles Driving Today 170 Total Mileage Today 170

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

285/217/270

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									13 1/2
2. SLEEPER BERTH																									0
3. DRIVING																									4 1/4
4. ON DUTY (NOT DRIVING)																									6 1/4

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



BOUND-EDGE 05



DRIVER'S DAILY LOG

(24 HOURS)

08/23/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								24

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

8 12 4 108
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									0
3. DRIVING																									0
4. ON DUTY (NOT DRIVING)																									0
REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	24

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

08/25/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

Total Miles Driving Today

Total Mileage Today

285/LE-638

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

05/05



DRIVER'S DAILY LOG

(24 HOURS)

05/26/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

500 500
Total Miles Driving Today Total Mileage Today

785 / LT-638
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

© Copyright 2005 & Published by J. J. KELLER & ASSOCIATES, INC.

RECAP

Complete at end of workday.

On-duty hours today. (Total lines 3 & 4)

70 Hour / 8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

601-L



BOUND EDGE

GE



DRIVER'S DAILY LOG

(24 HOURS)

08 27 108
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

304 304
Total Miles Driving Today Total Mileage Today

285 / 333
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP Complete at end of workday.

Off-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



601-L



DRIVER'S DAILY LOG

(24 HOURS)

08/28/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Brent Sittig
Driver's Full Signature

Co-Driver's Name

290 290
Total Miles Driving Today Total Mileage Today

285/233
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

RECAP
Complete at
end of day.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									14
2. SLEEPER BERTH																									0
3. DRIVING																									6
4. ON DUTY (NOT DRIVING)																									4

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																									24
SHIPPING DOCUMENTS:																									
B/L or Manifest No. or																									
Shipper & Commodity																									

Houston, TX. Pretrip
Lake Charles, La
Cove, TX
La Porte, TX
Houston, TX

601-L



Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: To:

USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S DAILY LOG

(24 HOURS)

Total Miles Driving Today Total Mileage Today

(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

GES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021
 Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021
 Home Terminal Address

I certify these entries are true and correct:

Track/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									
2. SLEEPER BERTH																									
3. DRIVING																									
4. ON DUTY (NOT DRIVING)																									

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

© Copyright 2005 & Published by J. J. KELLER & ASSOCIATES, INC.

601-L



RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 6 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Instructions for Completing the Driver's Daily Log (\$395.8)

© J. J. Keller & Associates, Inc.

As a driver, you are required to fill out a daily log (duty status record) for each 24-hour period. You must have a log for every day, including days off.

All information must be true and correct. You must make all of your own entries (except preprinted items). If you make any incomplete or false entries, both you and/or your carrier are liable to prosecution.

Information Required on the Form

You must provide the following information on the form:

Date. You must write down the month, day, and year for the beginning of each 24-hour period.

Total miles driving today. You must record the total number of miles you drove during the 24-hour period.

Truck or tractor and trailer numbers. You must write down either the vehicle number(s) assigned by your company, or the license number and licensing state for each commercial motor vehicle operated during the 24-hour period.

Name of carrier. You must write down the name of the motor carrier(s) you are working for. If you are working for more than one carrier in a 24-hour period, you must list the times you started and finished work for each carrier.

Driver's signature/certification. You must certify that all of your entries are true and correct by signing your log with your legal name or name of record.

Time base to be used. You must use the time standard in effect at your home terminal, and also the 24-hour period starting time designated for your home terminal.

Main office address. Your carrier's main office address must be on the record of duty status.

Remarks. This is the area where you must list the city, town, or village, and state abbreviation when a change of duty status occurs.

Name of co-driver. Write the name of your co-driver, if you have one.

Total hours. You must add and record the total hours for each duty status at the right of the grid. The total of the entries must equal 24 hours.

Shipping document number(s), or name of shipper and commodity.

How to Complete the Grid

The grid portion of your log must be kept current to the time shown for the last change of duty status. You must record your duty status on the grid as follows:

- Off Duty
- Sleeper Berth
- Driving
- On Duty (Not Driving)

Off Duty. Except for time resting in a sleeper berth, you must draw a continuous line between the appropriate time markers to show the periods of time when you are not on duty, not required to be in readiness to work, or not under any responsibility for performing work.

Sleeper Berth. You must draw a continuous line between the appropriate time markers to show the periods of time when you are off duty, resting in a sleeper berth.

Driving. You must draw a continuous line between the appropriate time markers to show the periods of time when you are at the driving controls of a commercial motor vehicle in operation.

On Duty (Not Driving). You must draw a continuous line between the appropriate time markers to show the periods of time when you are on duty, but not driving.

For each change of duty status, the name of the city, town, or village, with state abbreviation, must be recorded in the Remarks section. If the change of duty status occurs at a location other than a city, town, or village, you must show the following:

- The highway number and the nearest milepost by the name of the nearest city, town, or village and state abbreviation.
- The highway number and the name of the service plaza followed by the name of the nearest city, town, or village and state abbreviation, or
- The highway numbers of the two nearest intersecting roadways followed by the name of the nearest city, town, or village, and state abbreviation.

A Few Additional Notes

After you have completed your log, the regulations allow you 13 days to forward the original copy to your employer. Your employer may require you to turn it in sooner.

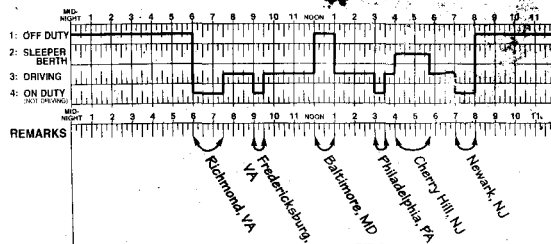
You must keep a copy of your completed log for the next 7 consecutive days. The copies must be available for inspection by law enforcement at any time while you are on duty.

If you work for more than one motor carrier during a 24-hour period, you must submit a copy of your record of duty status to each motor carrier. The record must include:

- All duty time for the entire 24-hour period,
- The name of each motor carrier you worked for during the 24-hour period, and
- The beginning and finishing time, including a.m. or p.m., worked for each motor carrier.

Sample Completed Grid

The following grid illustrates how a driver's duty status should be recorded for a trip from Richmond, Virginia, to Newark, New Jersey. The grid reflects the midnight-to-midnight 24-hour period.



Graph Grid (midnight to midnight operation)

The driver in this instance reported for duty at the motor carrier's terminal. The driver reported for work at 6 a.m., helped load, checked with dispatch, made a pretrip inspection, and performed other duties until 7:30 a.m. when the driver began driving. At 9 a.m. the driver had a minor accident in Fredericksburg, Virginia, and spent one half hour handling details with the local police. The driver arrived at the company's Baltimore, Maryland, terminal at noon and went to lunch while minor repairs were made to the tractor. At 1 p.m. the driver resumed the trip and made a delivery in Philadelphia, Pennsylvania,

between 3 p.m. and 3:30 p.m. at which time the driver started driving again. Upon arrival at Cherry Hill, New Jersey, at 4 p.m., the driver entered the sleeper berth for a rest break until 5:45 p.m. at which time the driver resumed driving again. At 7 p.m. the driver arrived at the company's terminal in Newark, New Jersey. Between 7 p.m. and 8 p.m. the driver prepared the required paperwork including completing the driver's record of duty status, driver vehicle inspection report, insurance report for the Fredericksburg, Virginia accident, checked for the next day's dispatch, etc. At 8 p.m. the driver went off duty.

Explanations

Main Points of 2005 Hours of Service Regulations (Property-Carrying Vehicles)

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- **Off-duty time:** 10 consecutive hours.
- **On-duty time:** 14 consecutive hours after coming on duty.
- **Driving time:** 11 hours.
- **Weekly limits:** 60 hours/7 days or 70 hours/8 days (no change).
- **34-hour restart:** The 60/70-hour clock may restart after 34 consecutive hours off duty.
- **Split sleeper berth:** One period of at least (but less than 10) consecutive hours in a sleeper berth; and a separate period, before or after the 8-hour period, of at least 2 (but less than 10) consecutive hours. The 2-hour consecutive-hour period may be in the sleeper berth, off duty, or any combination of the two. The 8-hour period will not be counted as part of the 14 hours, but the 2-hour period will be counted as part of the 14 hours. Following the 14-hour period, time available until the 11-hour and 14-hour rules must be re-calculated from the end of the first of the two periods.
- **Short-haul 16-hour exception:** The 14-hour on-duty period can be extended to 16 hours if a driver has been released from duty at the normal work reporting location for the previous 5 duty hours, is released from duty at the normal work reporting location within 16 hours, and has not used exception in the previous 6 days (except following a 34-hour restart or 7/8-day period).
- **Compliance Date:** October 1, 2005

— ORDER LOG BOOK FROM —

J. J. Keller
 & Associates, Inc.
 1500 W. Woodward Lane
 P.O. Box 1500
 Tulsa, OK 74101-1500
 Phone: (918) 436-1500
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 Web: www.jjkeller.com



J. J. Keller
& Associates, Inc.
Since 1953



OFFICIAL DELUXE COPY

DRIVER'S DAILY LOG

**PRESCRIBED BY FEDERAL MOTOR CARRIER SAFETY ADMINISTRATION
U.S. DEPARTMENT OF TRANSPORTATION**



MONTH: Oct-Nov. **YEAR:** 08

DRIVER:

Sitting B

CARRIER:

CES

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Rev. 7/06

MONTHLY SUMMARY SHEET

MONTH: _____

If you operate on the period of 70 hours in 8 days, use the summary sheet on the left; if you operate on the period of 60 hours in 7 days, use the summary sheet on the right.

The figures 1 to 31 represent calendar days, and entries should be made for each day - even when driver does not work. If no work is performed, enter zero (0) in first column and compute other columns as explained below.

70 HR/8 DAY DRIVERS ONLY				60 HR/7 DAY DRIVERS ONLY			
Day of mo.	Hours Worked Today (Total of lines 3 & 4 on graph)	A	B	Day of mo.	Hours Worked Today (Total of lines 3 & 4 on graph)	A	B
Last 7 days of preceding month	Total hours on-duty last 7 days - OR - Total hours on-duty since restart	Hours available tomorrow. 70 hours minus col. A	Total hours on-duty last 8 days - OR - Total hours on-duty since restart	Last 6 days of preceding month	Total hours on-duty last 6 days - OR - Total hours on-duty since restart	Hours available tomorrow. 60 hours minus col. A	Total hours on-duty last 7 days - OR - Total hours on-duty since restart
1				1			
2				2			
3				3			
4				4			
5				5			
6				6			
7				7			
8				8			
9				9			
10				10			
11				11			
12				12			
13				13			
14				14			
15				15			
16				16			
17				17			
18				18			
19				19			
20				20			
21				21			
22				22			
23				23			
24				24			
25				25			
26				26			
27				27			
28				28			
29				29			
30				30			
31				31			

70 HOURS - 8 DAYS
Enter the number of working hours (on duty & driving) for each of the last seven days of the preceding month in the first seven spaces under the column headed "Hours Worked Today". Enter in the first space under Column A the Total of the number of hours worked during the last 7 days. Subtract the figure entered in Column A from 70 hours and enter this figure - hours available for tomorrow - in Column B.
At the end of each day, complete the first three columns adjacent to the days of month in the same manner as explained above. Total the number of hours worked during the last 8 days and enter in Column C. If any number in Column C exceeds 70, no driving should have been done. Any driving that was done is a violation and should be circled for easy identification.
34-hour restart: If you took 34 consecutive hours of duty, you have 70 hours available again. You would then begin your totaling on the day of the restart and not go back the full 7 or 8 days.

60 HOURS - 7 DAYS
Follow the same instructions provided for completing the summary sheet for 8 days - 70 hours, except substitute last six days for last seven days and 60 hours for 70 hours.
34-hour restart: If you took 34 consecutive hours of duty, you have 60 hours available again. You would then begin your totaling on the day of the restart and not go back the full 6 or 7 days.

BOUND EDGE (SAP 500605) (Rev. 8/05)

EPAHO041000142



DRIVER'S DAILY LOG

(24 HOURS)

Total Miles Driving Today 431 Total Mileage Today 431

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit) 285/269/266

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

10/23/08
 (Month) (Day) (Year)

Original - File at home terminal
 Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									11
2. SLEEPER BERTH																									8
3. DRIVING																									8 3/4
4. ON DUTY (NOT DRIVING)																									4 1/4

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																									24

74040
 74034

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
 Complete at end of week/day.

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 8 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

10/24/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

Total Miles Driving Today

Total Mileage Today

285/270/348
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

7455
74370

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP Complete at end of workday.

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

(Month) 12 (Day) 25 (Year) 1988

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

Total Miles Driving Today 125 Total Mileage Today 108

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)
285 LT 848 / 270

I certify these entries are true and correct:

Driver's Full Signature [Signature]

Co-Driver's Name

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								16 3/4
																								0
																								4
																								3 1/4
																								24

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP Complete at end of workday.

Off-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 7 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

10 / 25 / 05
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 80/70
hours available
again.

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									0
3. DRIVING																									0
4. ON DUTY (NOT DRIVING)																									0

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																									24

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

98
 Total Miles Driving Today

98
 Total Mileage Today

2851204
 Truck/Tractor and Trailer Numbers or
 License Plate(s) / State (show each unit)

I certify these entries are true and correct

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									12
2. SLEEPER BERTH																									0
3. DRIVING																									2
4. ON DUTY (NOT DRIVING)																									2
REMARKS																									34

004248033
 004248035

SHIPPING DOCUMENTS:

B/L or Manifest No.
 or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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Original - File at home terminal
 Duplicate - Driver retains in his/her possession for eight days

(Month) (Day) (Year)

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

RECAP

Complete at
 end of workday.

On-duty hours
 today. (Total
 lines 3 & 4)

70 Hour/
 8 Day
 Drivers

A. Total hours on
 duty last 7 days,
 including today.

B. Total hours
 available
 tomorrow.
 70 hr. minus A.*

C. Total hours on
 duty last 8 days,
 including today.

60 Hour/
 7 Day
 Drivers

A. Total hours on
 duty last 6 days,
 including today.

B. Total hours
 available
 tomorrow.
 60 hr. minus A.*

C. Total hours on
 duty last 7 days,
 including today.

*If you took
 34 consecutive
 hours off duty,
 you have 60/70
 hours available
 again.

601-L





DRIVER'S DAILY LOG

(24 HOURS)

(Month)

(Day)

(Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
-----------	---	---	---	---	---	---	---	---	---	----	----	------	---	---	---	---	---	---	---	---	---	----	----	-------------

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP

Complete at

end of workday

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

601-L



BOUND EDGE

BOUND EDGE



DRIVER'S DAILY LOG

(24 HOURS)

(Month) (Day) (Year)

 Original - File at home terminal
 Duplicate - Driver retains in his/her possession for eight days

RECAP
 Complete at
 end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

 On-duty hours
 today. (Total
 lines 3 & 4)

**70 Hour/
 8 Day
 Drivers**

 A.
 Total hours on
 duty last 7 days,
 including today.

 B.
 Total hours
 available
 tomorrow.
 70 hr. minus A.*

 C.
 Total hours on
 duty last 8 days,
 including today.

**60 Hour/
 7 Day
 Drivers**

 A.
 Total hours on
 duty last 6 days,
 including today.

 B.
 Total hours
 available
 tomorrow.
 60 hr. minus A.*

 C.
 Total hours on
 duty last 7 days,
 including today.

 *If you took
 34 consecutive
 hours off duty,
 you have 60/70
 hours available
 again.

Total Miles Driving Today

Total Mileage Today

 Truck/Tractor and Trailer Numbers or
 License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

MID-NIGHT

1

2

3

4

5

6

7

8

9

10

11

NOON

1

2

3

4

5

6

7

8

9

10

11

TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

MID-NIGHT

1

2

3

4

5

6

7

8

9

10

11

NOON

1

2

3

4

5

6

7

8

9

10

11

REMARKS

 74463
 74752

 SHIPPING
 DOCUMENTS:

 B/L or Manifest No.
 or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

10/30/88
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

74855

74854

74853

74852

B/L or Manifest No.

74856

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

BOUND EDGE

BOUND EDGE

8/05



DRIVER'S DAILY LOG

(24 HOURS)

 108-129
 Total Miles Driving Today

 129
 Total MHeage Today

 277-270
 Truck/Tractor and Trailer Numbers or
 License Plate(s) / State (show each unit)

(Month) (Day) (Year)

CES ENVIRONMENTAL SERVICE

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

74863

SHIPPING
DOCUMENTS:B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

© Copyright 2005 & Published by J. J. KELLER & ASSOCIATES, INC.

70 Hour/
8 Day
DriversA.
Total hours on
duty last 7 d. ys.
including today.B.
Total hours
available
tomorrow.
70 hr. minus A.*C.
Total hours on
duty last 8 days,
including today60 Hour/
7 Day
DriversA.
Total hour
duty last 6
includingB.
Total
ave
tor
60 hrC.
Tr
dt
ir

601-L



BOUND EDGE

GE

EPAHO041000151



DRIVER'S DAILY LOG

(24 HOURS)

(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

Total Miles Driving Today Total Mileage Today

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									0
3. DRIVING																									0
4. ON DUTY (NOT DRIVING)																									0
REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	24

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days
including today

*If you took
34 consecutive
hours off duty
you have 60/70
hours available
again.



DRIVER'S DAILY LOG (24 HOURS)

11 / 16 / 05
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
-----------	---	---	---	---	---	---	---	---	---	----	----	------	---	---	---	---	---	---	---	---	---	----	----	-------------

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



REMARKS
Complete at end of workday.

On-duty hours today, (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow, 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow, 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty you have 60/7 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

75131
75130

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



Complete at end of workday.

On duty last 7 days, (Total lines 3 & 4)

76 Hour / 8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 7 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days including today

*If you took 34 consecutive hours off duty you have 60/7 hours available again.

BOUND EDGE

ND EDGE



DRIVER'S DAILY LOG (24 HOURS)

11/04/07
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

21
Total Miles Driving Today

21
Total Mileage Today

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

285/555
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									14
2. SLEEPER BERTH																									9
3. DRIVING																									2
4. ON DUTY (NOT DRIVING)																									9
REMARKS																									24

75165
75174

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Complete at end of week.

On duty hours today. Total (lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty you have 60/70 hours available again.

BOUND EDGE

ND EDGE



DRIVER'S DAILY LOG

(24 HOURS)

11 / 05 / 02
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									15
2. SLEEPER BERTH																									0
3. DRIVING																									3
4. ON DUTY (NOT DRIVING)																									6
REMARKS																									24

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

Total Miles Driving Today 78 Total Mileage Today 78

Track/Tractor and Trailer Numbers or License Plate(s) / State (show each unit) 285/L+638/LT-1047

Track/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

(Month) 12 / (Day) 26 / (Year) 08

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct

Driver's Full Signature [Signature]

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									12.75
2. SLEEPER BERTH																									0
3. DRIVING																									1.25
4. ON DUTY (NOT DRIVING)																									9.12

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																									24

7507
 204248067

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP Complete at end of week

On-duty hours today. (Total lines 3 & 4)

70 Hour / 8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

11/10/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

RECAP
Complete at
end of workday

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

5 5
Total Miles Driving Today Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

75409
75410

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

(Month)

(Day)

(Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																							17 1/4	
2. SLEEPER BERTH																							0	
3. DRIVING																							3	
4. ON DUTY (NOT DRIVING)																							33 1/4	
REMARKS																							24	

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																							17 1/4	
2. SLEEPER BERTH																							0	
3. DRIVING																							3	
4. ON DUTY (NOT DRIVING)																							33 1/4	
REMARKS																							24	

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																							17 1/4	
2. SLEEPER BERTH																							0	
3. DRIVING																							3	
4. ON DUTY (NOT DRIVING)																							33 1/4	
REMARKS																							24	

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP

Completed at end of 7 days

On-duty hours today (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow, 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow, 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



601-L



DRIVER'S DAILY LOG

(24 HOURS)

(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								24
																								0
																								0
																								0
																								24

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

11/1/05
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

Total Miles Driving Today

Total Mileage Today

255/266
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								13 1/4
																								0
																								5 1/4
																								5 1/4

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								2 1/4

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP

Complete at end of trip

On-duty hours today. (Total lines 3 & 4)

70 Hour / 8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG (24 HOURS)

(Month) 11 (Day) 11 (Year) 2005

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature *[Signature]*

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									14
2. SLEEPER BERTH																									0
3. DRIVING																									0
4. ON DUTY (NOT DRIVING)																									10
REMARKS																									24

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Completed at
end of work day.

Directly to
scale, (100 lb
line, 3 x 3)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

11/13/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



BOUND EDGE

BOUND EDGE



DRIVER'S DAILY LOG

(24 HOURS)

233 233
Total Miles Driving Today Total Mileage Today

285/266
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								14
																								2
																								14
																								5
																								24

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



3/05



DRIVER'S DAILY LOG

(24 HOURS)

(Month) (Day) (Year)

Original - File at home terminal.
Duplicate - Driver retains in his/her possession for 60 days.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A

C.
Total hours o
duty last 7 da
including tod

*If you took
34 consecu
hours off d
you have 6
hours avai
again.



DRIVER'S DAILY LOG

(24 HOURS)

(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									
2. SLEEPER BERTH																									
3. DRIVING																									
4. ON DUTY (NOT DRIVING)																									
REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Complete at
end of work day.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

Total Miles Driving Today 230 Total Mileage Today 230

25

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									10.75
2. SLEEPER BERTH																									0
3. DRIVING																									5
4. ON DUTY (NOT DRIVING)																									8.75
REMARKS																									24

SHIPPING DOCUMENTS

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP Complete at end of workday.

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

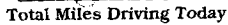
A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

(24 HOURS)



Total Mileage Today

(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

Name of Carrier or Carriers

Main Office Address

Home Terminal Address

I certify these entries are true and correct:

**Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)**

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday
10:44
On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.

Total hours on duty last 7 days, including today.

B.

Total hours
available
tomorrow.
70 hr. minus A.*

Total hours on duty last 8 days, including today.

**60 Hour/
7 Day
Drivers**

A. _____
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C. _____
Total hours on
duty last 7 days,
including today.

***If you took 34 consecutive hours off duty, you have 60/70 hours available again.**

BOUND EDGE

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

**SHIPPING
DOCUMENTS:**

B/L or Manifest No.
or

Shipper & Commodity

From:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

11 / 20 / 05
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Total Miles Driving Today Total Mileage Today

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									12
2. SLEEPER BERTH																									9
3. DRIVING																									5 1/2
4. ON DUTY (NOT DRIVING)																									6 1/2

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
REMARKS																									24

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

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601-L



RECAP Complete at end of workday.

On-duty hours today. (Total lines 3 & 4)

70 Hour / 8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 7 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

BOUND EDGE

BOUND EDGE



DRIVER'S DAILY LOG

(24 HOURS)

12/21/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

RECAP

Complete at end of workday.

On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

237 237
Total Miles Driving Today Total Mileage Today

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								11
																								5
																								7
																								24

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

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601-L





Instructions for Completing the Driver's Daily Log (\$395.8)

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As a driver, you are required to fill out a daily log (duty status record) for each 24-hour period. You must have a log for every day, including days off.

All information must be true and correct. You must make all of your own entries (except for preprinted items). If you make any incomplete or false entries, both you and/or your carrier are liable to prosecution.

Information Required on the Form

You must provide the following information on the form:

Date. You must write down the month, day, and year for the beginning of each 24-hour period.

Total miles driving today. You must record the total number of miles you drove during the 24-hour period.

Truck or tractor and trailer numbers. You must write down either the vehicle number(s) assigned by your company, or the license number and licensing state for each commercial motor vehicle operated during the 24-hour period.

Name of carrier. You must write down the name of the motor carrier(s) you are working for. If you are working for more than one carrier in a 24-hour period, you must list the times you started and finished work for each carrier.

Driver's signature/certification. You must certify that all of your entries are true and correct by signing your log with your legal name or name of record.

Time base to be used. You must use the time standard in effect at your home terminal, and also the 24-hour period starting time designated for your home terminal.

Main office address. Your carrier's main office address must be on the record of duty status.

Remarks. This is the area where you must list the city, town, or village, and state abbreviation when a change of duty status occurs.

Name of co-driver. Write the name of your co-driver, if you have one.

Total hours. You must add and record the total hours for each duty status at the right of the grid. The total of the entries must equal 24 hours.

Shipping document number(s), or name of shipper and commodity.

How to Complete the Grid

The grid portion of your log must be kept current to the time shown for the last change of duty status. You must record your duty status on the grid as follows:

- Off Duty
- Sleeper Berth
- Driving
- On Duty (Not Driving)

Off Duty. Except for time resting in a sleeper berth, you must draw a continuous line between the appropriate time markers to show the periods of time when you are not on duty, not required to be in readiness to work, or not under any responsibility for performing work.

Sleeper Berth. You must draw a continuous line between the appropriate time markers to show the periods of time when you are off duty, resting in a sleeper berth.

Driving. You must draw a continuous line between the appropriate time markers to show the periods of time when you are at the driving controls of a commercial motor vehicle in operation.

On Duty (Not Driving). You must draw a continuous line between the appropriate time markers to show the periods of time when you are on duty, but not driving.

For each change of duty status, the name of the city, town, or village, with state abbreviation, must be recorded in the Remarks section. If the change of duty status occurs at a location other than a city, town, or village, you must show one of the following:

- The highway number and the nearest milepost followed by the name of the nearest city, town, or village and state abbreviation,
- The highway number and the name of the service plaza followed by the name of the nearest city, town, or village and state abbreviation, or
- The highway numbers of the two nearest intersecting roadways followed by the name of the nearest city, town, or village, and state abbreviation.

A Few Additional Notes

After you have completed your log, the regulations allow you 13 days to forward the original copy to your employer. Your employer may require you to turn it in sooner.

You must keep a copy of your completed log for the next 7 consecutive days. The copies must be available for inspection by law enforcement at any time while you are on duty.

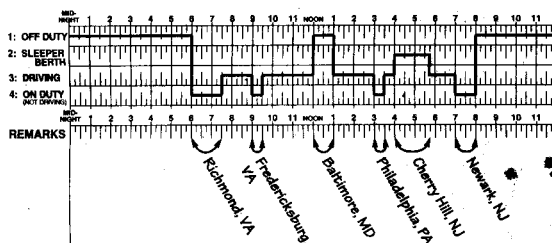
If you work for more than one motor carrier during a 24-hour period, you must submit a copy of your record of duty status to each motor carrier. The record must include:

- All duty time for the entire 24-hour period,
- The name of each motor carrier you worked for during the 24-hour period, and
- The beginning and finishing time, including a.m. or p.m., worked for each motor carrier.

SAP-500690 (Rev. 8/05)

Sample Completed Grid

The following grid illustrates how a driver's duty status should be recorded for a trip from Richmond, Virginia, to Newark, New Jersey. The grid reflects the midnight-to-midnight 24-hour period.



Graph Grid (midnight to midnight operation)

The driver in this instance reported for duty at the motor carrier's terminal. The driver reported for work at 6 a.m., helped load, checked with dispatch, made a pretrip inspection, and performed other duties until 7:30 a.m. when the driver began driving. At 9 a.m. the driver had a minor accident in Fredericksburg, Virginia, and spent one half hour handling details with the local police. The driver arrived at the company's Baltimore, Maryland, terminal at noon and went to lunch while minor repairs were made to the tractor. At 1 p.m. the driver resumed the trip and made a delivery in Philadelphia, Pennsylvania,

between 3 p.m. and 3:30 p.m. at which time the driver started driving again. Upon arrival at Cherry Hill, New Jersey, at 4 p.m., the driver entered the sleeper berth for a rest break until 5:45 p.m. at which time the driver resumed driving again. At 7 p.m. the driver arrived at the company's terminal in Newark, New Jersey. Between 7 p.m. and 8 p.m. the driver prepared the required paperwork including completing the driver's record of duty status, driver vehicle inspection report, insurance report for the Fredericksburg, Virginia accident, checked for the next day's dispatch, etc. At 8 p.m., the driver went off duty.

Explanations

Main Points of 2005 Hours of Service Regulations (Property-Carrying Vehicles)

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- **Off-duty time:** 10 consecutive hours.
- **On-duty time:** 14 consecutive hours after coming on duty.
- **Driving time:** 11 hours.
- **Weekly limits:** 60 hours/7 days or 70 hours/8 days (no change).
- **34-hour restart:** The 60/70-hour clock may restart after 34 consecutive hours off duty.
- **Split sleeper berth:** One period of at least 8 (but less than 10) consecutive hours in the sleeper berth; and a separate period, before or after the 8-hour period, of at least 2 (but less than 10) consecutive hours. The 2-consecutive-hour period may be in the sleeper berth, off duty, or any combination of the two. The 8-hour period will not be counted as part of the 14 hours, but the 2-hour period will be counted as part of the 14 hours. Following the second period, hours available under the 11-

hour and 14-hour rules must be re-calculated from the end of the first of the two periods.

- **Short-haul 16-hour exception:** The 14-hour on-duty period can be extended to 16 hours if driver has been released from duty at the normal work reporting location for the previous 5 duty tours, is released from duty at the normal work reporting location within 16 hours, and has not used exception in the previous 6 days (except following a 34-hour restart of a 7/8-day period).
- **Compliance Date:** October 1, 2005



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Neenah, WI 54957-0368

— ORDER LOG BOOK FROM —



KELLER PREMIUM

FEATURES: CARBONLESS BLACK IMAGE PAGES

VEHICLE INSPECTION REPORT

— SIMPLIFIED DUPLICATE COPY BOOK —

Month: _____ Year: 06

Driver: _____

Carrier: CES ENV.

Tractor/Truck No.: _____

Trailer No.: _____



7 55547 00498 0

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147-B 2048

INSPECTION PROCEDURE

HAVE ALL DEFECTS CORRECTED BEFORE DEPARTURE

1. Approaching vehicle note general condition. Look for leakage of water, fuel or lubricants under vehicle.
2. Under hood check water and crankcase levels. Check fan and compressor belts for cracks and excessive slack and wear. Note general condition of engine space.
3. Start engine and set at fast idle for warm-up. Check for abnormal engine noise. Check gauges for normal readings (pilot lights, if equipped), "LOW AIR" warning should operate if air pressure is below 60 pounds. Anti-lock warning light should light briefly and then go out (vehicles with operable anti-lock).
4. Check emergency equipment, horn(s), windshield wipers. Turn on all lights including 4-way flasher switch for turn signals. Check steering wheel action.
5. Leave cab to check headlights and turn signals. Switch headlights on and check both beams, then turn off headlights *only*. Leave all other lights on.
6. Check front clearance and identification lights.
7. Check left and right front wheels, tires, lugs or studs. Check for leaks around hubs.
8. Check right side of cab, door, mirrors, etc. and check lights and reflectors along right side as inspection progresses.
9. Check right rear tractor tires, wheels, lugs or studs. Note any thrown lubricant.
10. Check trailer light and brake lines for secure connections. Be sure manual petcocks are open. Be sure lines are properly secured to prevent entangling or chafing.
11. Check hook-up: fifth-wheel, jaws, release lever on tractor-trailer, pintle hook, towbar, safety chains, converter gear on full-trailer unit.
12. Check right trailer tires, wheels, lugs or studs. Check for thrown lubricant.
13. Check rear of body, mudflaps, rear light (clearance and identification, stop, tail, turn signals), rear reflectors, rear-end protection.
14. Check left trailer tires, wheels, lugs or studs. Check lights and reflectors on left side as inspection progresses.
15. Check left rear tractor tires, wheels, lugs or studs. Check for thrown lubricant.
16. Re-enter cab. Re-check all gauges. Air pressure should be at maximum.
17. Check parking brake.
18. With fully-charged system, check air brakes as follows:
 - a.) Be sure Trailer Air Supply valve is "in" and that trailer brake air system(s) are charged. Apply and release brakes with treadle valve.
 - b.) Pull out Trailer Air Supply valve to check manual application of trailer brakes.
 - c.) Reduce air pressure by rapid application and release of treadle valve. "LOW AIR" warning should operate when primary needle reaches 60 psi. Brakes should apply automatically when secondary needle reaches a point between 45 and 20 psi.
 - d.) Recharge trailer air system to check for leaks. With engine idling, apply treadle valve and hold for 1 minute. After initial drop of 5-10 psi, air pressure should not drop more than 4 psi. If audible leaks or rapid pressure drop are noted, have repairs made before departure.
19. Turn off 4-way flasher and actuate left and right turn signals. Proper operation of turn signals can be ascertained by checking front ones.
20. Make a test stop before leaving yard. Drain air tanks daily. Check tires every 2 hours or every 100 miles when carrying placarded hazardous materials.
21. Use this form to report vehicle condition at end of run.

DON'T FORGET

- FASTEN YOUR SEAT BELT • CHARGE TRAILER AIR RESERVOIRS
- FOR HAZARDOUS MATERIALS – CHECK PLACARDS AND SHIPPING PAPERS

DRIVER'S VEHICLE INSPECTION REPORT

Completion of this report required by Federal Law 49 CFR 396.11 & 396.13

Location IES HOUSTON, TX Date 8-14-06 827 : 30Truck/Tractor 288 Trailer #1 218

Dolly _____ Trailer #2 _____

Odometer Mileage 025737

Check <input checked="" type="checkbox"/>	Explain any Defects
<input type="checkbox"/>	Engine
<input type="checkbox"/>	Transmission
<input type="checkbox"/>	Clutch
<input type="checkbox"/>	Steering Mechanism
<input type="checkbox"/>	Horn
<input type="checkbox"/>	Windshield Wipers/Washers
<input type="checkbox"/>	Rear Vision Mirrors
<input type="checkbox"/>	Lighting Devices and Reflectors
<input type="checkbox"/>	Parking Brake
<input type="checkbox"/>	Service Brakes
<input type="checkbox"/>	Air Lines/Light Lines
<input type="checkbox"/>	Coupling Devices
<input type="checkbox"/>	Tires
<input type="checkbox"/>	Wheels and Rims
<input type="checkbox"/>	Emergency Equipment
<input type="checkbox"/>	Other

☒ Vehicle condition OK
(This must be checked if
there are no defects)

[Signature]
Reporting Driver's Signature

☐ Defects do not need to
be corrected for safe
operation

☐ Defects Corrected

Certified by: _____
Mechanic's Signature

[Signature]
Reviewing Driver's Signature

WHITE - MAINTENANCE
CANARY - DRIVER REVIEW

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DRIVER'S VEHICLE INSPECTION REPORT

Completion of this report required by Federal Law 49 CFR 396.11 & 396.13

Location _____ Date 8/15/06 8277132
 Truck/Tractor 288 Trailer #1 218
 Dolly _____ Trailer #2 _____
 Odometer Mileage 025836

Check <input checked="" type="checkbox"/>	Explain any Defects
	Engine
	Transmission
	Clutch
	Steering Mechanism
	Horn
	Windshield Wipers/Washers
	Rear Vision Mirrors
	Lighting Devices and Reflectors
	Parking Brake
	Service Brakes
	Air Lines/Light Lines
	Coupling Devices
	Tires
	Wheels and Rims
	Emergency Equipment
	Other

☒ Vehicle condition OK
 (This must be checked if
 there are no defects)

[Signature]
 Reporting Driver's Signature

☐ Defects do not need to
 be corrected for safe
 operation

☐ Defects Corrected

Certified by: _____
 Mechanic's Signature

[Signature]
 Reviewing Driver's Signature

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DRIVER'S VEHICLE INSPECTION REPORT

Completion of this report required by Federal Law 49 CFR 396.11 & 396.13

Location CE Houston, Tx Date 8/16/06 8277133
Truck/Tractor 288 Trailer #1 _____
Dolly _____ Trailer #2 _____
Odometer Mileage 005952

Check <input checked="" type="checkbox"/>	Explain any Defects
<input type="checkbox"/>	Engine
<input type="checkbox"/>	Transmission
<input type="checkbox"/>	Clutch
<input type="checkbox"/>	Steering Mechanism
<input type="checkbox"/>	Horn
<input type="checkbox"/>	Windshield Wipers/Washers
<input type="checkbox"/>	Rear Vision Mirrors
<input type="checkbox"/>	Lighting Devices and Reflectors
<input type="checkbox"/>	Parking Brake
<input type="checkbox"/>	Service Brakes
<input type="checkbox"/>	Air Lines/Light Lines
<input type="checkbox"/>	Coupling Devices
<input type="checkbox"/>	Tires
<input type="checkbox"/>	Wheels and Rims
<input type="checkbox"/>	Emergency Equipment
<input type="checkbox"/>	Other

☒ Vehicle condition OK
(This must be checked if
there are no defects)

[Signature]
Reporting Driver's Signature

☐ Defects do not need to
be corrected for safe
operation

☐ Defects Corrected

Certified by: _____

Mechanic's Signature

[Signature]
Reviewing Driver's Signature

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DRIVER'S VEHICLE INSPECTION REPORT

Completion of this report required by Federal Law 49 CFR 396.11 & 396.13

Location CES Houston, TX Date 8-17-06 8277134
 Truck/Tractor 278 Trailer #1 _____
 Dolly _____ Trailer #2 _____
 Odometer Mileage 166637

Check <input checked="" type="checkbox"/>	Explain any Defects
	Engine
	Transmission
	Clutch
	Steering Mechanism
	Horn
	Windshield Wipers/Washers
	Rear Vision Mirrors
	Lighting Devices and Reflectors
	Parking Brake
	Service Brakes
	Air Lines/Light Lines
	Coupling Devices
	Tires
	Wheels and Rims
	Emergency Equipment
	Other

☒ Vehicle condition OK
 (This must be checked if
 there are no defects)

[Signature]
 Reporting Driver's Signature

☐ Defects do not need to
 be corrected for safe
 operation

☐ Defects Corrected

Certified by: _____

Mechanic's Signature

[Signature]
 Reviewing Driver's Signature

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 CANARY - DRIVER REVIEW

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DRIVER'S VEHICLE INSPECTION REPORT

Completion of this report required by Federal Law 49 CFR 396.11 & 396.13

Location DES Houston, TX Date 8-18-06 8277135

Truck/Tractor 273 Trailer #1 _____

Dolly _____ Trailer #2 _____

Odometer Mileage 253959

Check <input checked="" type="checkbox"/>	Explain any Defects
<input type="checkbox"/>	Engine
<input type="checkbox"/>	Transmission
<input type="checkbox"/>	Clutch
<input type="checkbox"/>	Steering Mechanism
<input type="checkbox"/>	Horn
<input type="checkbox"/>	Windshield Wipers/Washers
<input type="checkbox"/>	Rear Vision Mirrors
<input type="checkbox"/>	Lighting Devices and Reflectors
<input type="checkbox"/>	Parking Brake
<input type="checkbox"/>	Service Brakes
<input type="checkbox"/>	Air Lines/Light Lines
<input type="checkbox"/>	Coupling Devices
<input type="checkbox"/>	Tires
<input type="checkbox"/>	Wheels and Rims
<input type="checkbox"/>	Emergency Equipment
<input type="checkbox"/>	Other

☒ Vehicle condition OK
(This must be checked if
there are no defects)

[Signature]
Reporting Driver's Signature

☐ Defects do not need to
be corrected for safe
operation

☐ Defects Corrected

Certified by: _____
Mechanic's Signature

[Signature]
Reviewing Driver's Signature

WHITE - MAINTENANCE
CANARY - DRIVER REVIEW

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DRIVER'S VEHICLE INSPECTION REPORT

Completion of this report required by Federal Law 49 CFR 396.11 & 396.13

Location CES Houston, TX Date 8-19-06 8277136
 Truck/Tractor 273 Trailer #1 _____
 Dolly _____ Trailer #2 _____
 Odometer Mileage 254075

Check <input checked="" type="checkbox"/>	Explain any Defects
	Engine
	Transmission
	Clutch
	Steering Mechanism
	Horn
	Windshield Wipers/Washers
	Rear Vision Mirrors
	Lighting Devices and Reflectors
	Parking Brake
	Service Brakes
	Air Lines/Light Lines
	Coupling Devices
	Tires
	Wheels and Rims
	Emergency Equipment
	Other

☒ Vehicle condition OK
 (This must be checked if
 there are no defects)

[Signature]
 Reporting Driver's Signature

☐ Defects do not need to
 be corrected for safe
 operation

☐ Defects Corrected

Certified by: _____
 Mechanic's Signature

[Signature]
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DRIVER'S VEHICLE INSPECTION REPORT

Completion of this report required by Federal Law 49 CFR 396.11 & 396.13

Location CS Houston, TX Date 8-21-06 8277137

Truck/Tractor 273 Trailer #1 218

Dolly _____ Trailer #2 _____

Odometer Mileage 254109

Check <input checked="" type="checkbox"/>	Explain any Defects
<input type="checkbox"/>	Engine
<input type="checkbox"/>	Transmission
<input type="checkbox"/>	Clutch
<input type="checkbox"/>	Steering Mechanism
<input type="checkbox"/>	Horn
<input type="checkbox"/>	Windshield Wipers/Washers
<input type="checkbox"/>	Rear Vision Mirrors
<input type="checkbox"/>	Lighting Devices and Reflectors
<input type="checkbox"/>	Parking Brake
<input type="checkbox"/>	Service Brakes
<input type="checkbox"/>	Air Lines/Light Lines
<input type="checkbox"/>	Coupling Devices
<input type="checkbox"/>	Tires
<input type="checkbox"/>	Wheels and Rims
<input type="checkbox"/>	Emergency Equipment
<input type="checkbox"/>	Other

☒ Vehicle condition OK
(This must be checked if
there are no defects)

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EPAHO041000183

DRIVER'S VEHICLE INSPECTION REPORT

Completion of this report required by Federal Law 49 CFR 396.11 & 396.13

Location CES Houston, TX Date 8/22/06 8277139

Truck/Tractor 273 Trailer #1 Bonz 432141 (chassis)

Dolly _____ Trailer #2 _____

Odometer Mileage 254321

Check <input checked="" type="checkbox"/>	Explain any Defects
<input type="checkbox"/>	Engine
<input type="checkbox"/>	Transmission
<input type="checkbox"/>	Clutch
<input type="checkbox"/>	Steering Mechanism
<input type="checkbox"/>	Horn
<input type="checkbox"/>	Windshield Wipers/Washers
<input type="checkbox"/>	Rear Vision Mirrors
<input type="checkbox"/>	Lighting Devices and Reflectors
<input type="checkbox"/>	Parking Brake
<input type="checkbox"/>	Service Brakes
<input type="checkbox"/>	Air Lines/Light Lines
<input type="checkbox"/>	Coupling Devices
<input type="checkbox"/>	Tires
<input type="checkbox"/>	Wheels and Rims
<input type="checkbox"/>	Emergency Equipment
<input type="checkbox"/>	Other

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DRIVER'S VEHICLE INSPECTION REPORT

Completion of this report required by Federal Law 49 CFR 396.11 & 396.13

Location LES Houston, TX Date 8/23/06 8277140Truck/Tractor 273 Trailer #1 1264

Dolly _____ Trailer #2 _____

Odometer Mileage 254475

Check <input checked="" type="checkbox"/>	Explain any Defects
	Engine
	Transmission
	Clutch
	Steering Mechanism
	Horn
	Windshield Wipers/Washers
	Rear Vision Mirrors
	Lighting Devices and Reflectors
	Parking Brake
	Service Brakes
	Air Lines/Light Lines
	Coupling Devices
	Tires
	Wheels and Rims
	Emergency Equipment
	Other

☒ Vehicle condition OK
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DRIVER'S VEHICLE INSPECTION REPORT

Completion of this report required by Federal Law 49 CFR 396.11 & 396.13

Location CES Houston, TX Date 8/24/06 8277141
Truck/Tractor 273 Trailer #1 218
Dolly _____ Trailer #2 _____
Odometer Mileage 254884

Check <input checked="" type="checkbox"/>	Explain any Defects
<input type="checkbox"/>	Engine
<input type="checkbox"/>	Transmission
<input type="checkbox"/>	Clutch
<input type="checkbox"/>	Steering Mechanism
<input type="checkbox"/>	Horn
<input type="checkbox"/>	Windshield Wipers/Washers
<input type="checkbox"/>	Rear Vision Mirrors
<input type="checkbox"/>	Lighting Devices and Reflectors
<input type="checkbox"/>	Parking Brake
<input type="checkbox"/>	Service Brakes
<input type="checkbox"/>	Air Lines/Light Lines
<input type="checkbox"/>	Coupling Devices
<input type="checkbox"/>	Tires
<input type="checkbox"/>	Wheels and Rims
<input type="checkbox"/>	Emergency Equipment
<input type="checkbox"/>	Other

☒ Vehicle condition OK
(This must be checked if
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Location CES Houston, TX Date 8/25/06 8277142
 Truck/Tractor 273 Trailer #1 218
 Dolly _____ Trailer #2 _____
 Odometer Mileage 255 034

Check <input checked="" type="checkbox"/>	Explain any Defects
<input type="checkbox"/>	Engine
<input type="checkbox"/>	Transmission
<input type="checkbox"/>	Clutch
<input type="checkbox"/>	Steering Mechanism
<input type="checkbox"/>	Horn
<input type="checkbox"/>	Windshield Wipers/Washers
<input type="checkbox"/>	Rear Vision Mirrors
<input type="checkbox"/>	Lighting Devices and Reflectors
<input type="checkbox"/>	Parking Brake
<input type="checkbox"/>	Service Brakes
<input type="checkbox"/>	Air Lines/Light Lines
<input type="checkbox"/>	Coupling Devices
<input type="checkbox"/>	Tires
<input type="checkbox"/>	Wheels and Rims
<input type="checkbox"/>	Emergency Equipment
<input type="checkbox"/>	Other

☒ Vehicle condition OK
 (This must be checked if
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DRIVER'S VEHICLE INSPECTION REPORT

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Location CES Houston, TX Date 8/28/06 8277143

Truck/Tractor 273 Trailer #1 251

Dolly _____ Trailer #2 _____

Odometer Mileage 255351

Check <input checked="" type="checkbox"/>	Explain any Defects
<input type="checkbox"/>	Engine
<input type="checkbox"/>	Transmission
<input type="checkbox"/>	Clutch
<input type="checkbox"/>	Steering Mechanism
<input type="checkbox"/>	Horn
<input type="checkbox"/>	Windshield Wipers/Washers
<input type="checkbox"/>	Rear Vision Mirrors
<input type="checkbox"/>	Lighting Devices and Reflectors
<input type="checkbox"/>	Parking Brake
<input type="checkbox"/>	Service Brakes
<input type="checkbox"/>	Air Lines/Light Lines
<input type="checkbox"/>	Coupling Devices
<input type="checkbox"/>	Tires
<input type="checkbox"/>	Wheels and Rims
<input type="checkbox"/>	Emergency Equipment
<input type="checkbox"/>	Other

☒ Vehicle condition OK
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DRIVER'S VEHICLE INSPECTION REPORT

Completion of this report required by Federal Law 49 CFR 396.11 & 396.13

Location CES Houston, TX Date 8/29/06 8277144
 Truck/Tractor 273 Trailer #1 251
 Dolly _____ Trailer #2 _____
 Odometer Mileage 255713

Check <input checked="" type="checkbox"/>	Explain any Defects
	Engine
	Transmission
	Clutch
	Steering Mechanism
	Horn
	Windshield Wipers/Washers
	Rear Vision Mirrors
	Lighting Devices and Reflectors
	Parking Brake
	Service Brakes
	Air Lines/Light Lines
	Coupling Devices
	Tires
	Wheels and Rims
	Emergency Equipment
	Other

☒ Vehicle condition OK
 (This must be checked if
 there are no defects)

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Completion of this report required by Federal Law 49 CFR 396.11 & 396.13

Location CES Houston, TX Date 8/30/06 8277145

Truck/Tractor 273 Trailer #1 218

Dolly _____ Trailer #2 _____

Odometer Mileage 256330

Check <input checked="" type="checkbox"/>	Explain any Defects
<input type="checkbox"/>	Engine
<input type="checkbox"/>	Transmission
<input type="checkbox"/>	Clutch
<input type="checkbox"/>	Steering Mechanism
<input type="checkbox"/>	Horn
<input type="checkbox"/>	Windshield Wipers/Washers
<input type="checkbox"/>	Rear Vision Mirrors
<input type="checkbox"/>	Lighting Devices and Reflectors
<input type="checkbox"/>	Parking Brake
<input type="checkbox"/>	Service Brakes
<input type="checkbox"/>	Air Lines/Light Lines
<input type="checkbox"/>	Coupling Devices
<input type="checkbox"/>	Tires
<input type="checkbox"/>	Wheels and Rims
<input type="checkbox"/>	Emergency Equipment
<input type="checkbox"/>	Other

☒ Vehicle condition OK
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there are no defects)

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DRIVER'S VEHICLE INSPECTION REPORT

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Location CES Houston, TX Date 8/31/06 8277146Truck/Tractor 273 Trailer #1 218

Dolly _____ Trailer #2 _____

Odometer Mileage 256474

Check <input checked="" type="checkbox"/>	Explain any Defects
<input type="checkbox"/>	Engine
<input type="checkbox"/>	Transmission
<input type="checkbox"/>	Clutch
<input type="checkbox"/>	Steering Mechanism
<input type="checkbox"/>	Horn
<input type="checkbox"/>	Windshield Wipers/Washers
<input type="checkbox"/>	Rear Vision Mirrors
<input type="checkbox"/>	Lighting Devices and Reflectors
<input type="checkbox"/>	Parking Brake
<input type="checkbox"/>	Service Brakes
<input type="checkbox"/>	Air Lines/Light Lines
<input type="checkbox"/>	Coupling Devices
<input type="checkbox"/>	Tires
<input type="checkbox"/>	Wheels and Rims
<input type="checkbox"/>	Emergency Equipment
<input type="checkbox"/>	Other

☒ Vehicle condition OK
(This must be checked if
there are no defects)

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Location CES HOUSTON, TX Date 9/01/06 8277147
Truck/Tractor 273 Trailer #1 250
Dolly _____ Trailer #2 _____
Odometer Mileage 256631

Check <input checked="" type="checkbox"/>	Explain any Defects
<input type="checkbox"/>	Engine
<input type="checkbox"/>	Transmission
<input type="checkbox"/>	Clutch
<input type="checkbox"/>	Steering Mechanism
<input type="checkbox"/>	Horn
<input type="checkbox"/>	Windshield Wipers/Washers
<input type="checkbox"/>	Rear Vision Mirrors
<input type="checkbox"/>	Lighting Devices and Reflectors
<input type="checkbox"/>	Parking Brake
<input type="checkbox"/>	Service Brakes
<input type="checkbox"/>	Air Lines/Light Lines
<input type="checkbox"/>	Coupling Devices
<input type="checkbox"/>	Tires
<input type="checkbox"/>	Wheels and Rims
<input type="checkbox"/>	Emergency Equipment
<input type="checkbox"/>	Other

☒ Vehicle condition OK
(This must be checked if
there are no defects)

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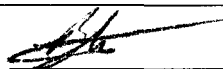
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Location CES Houston, TX Date 9/5/06 8277148
 Truck/Tractor 273 Trailer #1 251
 Dolly _____ Trailer #2 _____
 Odometer Mileage 256829

Check <input checked="" type="checkbox"/>	Explain any Defects
	Engine
	Transmission
	Clutch
	Steering Mechanism
	Horn
	Windshield Wipers/Washers
	Rear Vision Mirrors
	Lighting Devices and Reflectors
	Parking Brake
	Service Brakes
	Air Lines/Light Lines
	Coupling Devices
	Tires
	Wheels and Rims
	Emergency Equipment
	Other

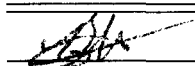
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Location CES Houston, TX Date 9/7/06 8277149
Truck/Tractor 273 Trailer #1 218
Dolly _____ Trailer #2 250
Odometer Mileage 257675

Check <input checked="" type="checkbox"/>	Explain any Defects
<input type="checkbox"/>	Engine
<input type="checkbox"/>	Transmission
<input type="checkbox"/>	Clutch
<input type="checkbox"/>	Steering Mechanism
<input type="checkbox"/>	Horn
<input type="checkbox"/>	Windshield Wipers/Washers
<input type="checkbox"/>	Rear Vision Mirrors
<input type="checkbox"/>	Lighting Devices and Reflectors
<input type="checkbox"/>	Parking Brake
<input type="checkbox"/>	Service Brakes
<input type="checkbox"/>	Air Lines/Light Lines
<input type="checkbox"/>	Coupling Devices
<input type="checkbox"/>	Tires
<input type="checkbox"/>	Wheels and Rims
<input type="checkbox"/>	Emergency Equipment
<input type="checkbox"/>	Other

☒ Vehicle condition OK
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there are no defects)

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DRIVER'S VEHICLE INSPECTION REPORT

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Location CES Houston, TX Date 8/9/06 8277151

Truck/Tractor 273 Trailer #1 _____

Dolly _____ Trailer #2 _____

Odometer Mileage 257893

Check <input checked="" type="checkbox"/>	Explain any Defects
<input type="checkbox"/>	Engine
<input type="checkbox"/>	Transmission
<input type="checkbox"/>	Clutch
<input type="checkbox"/>	Steering Mechanism
<input type="checkbox"/>	Horn
<input type="checkbox"/>	Windshield Wipers/Washers
<input type="checkbox"/>	Rear Vision Mirrors
<input type="checkbox"/>	Lighting Devices and Reflectors
<input type="checkbox"/>	Parking Brake
<input type="checkbox"/>	Service Brakes
<input type="checkbox"/>	Air Lines/Light Lines
<input type="checkbox"/>	Coupling Devices
<input type="checkbox"/>	Tires
<input type="checkbox"/>	Wheels and Rims
<input type="checkbox"/>	Emergency Equipment
<input type="checkbox"/>	Other

☒ Vehicle condition OK
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DRIVER'S VEHICLE INSPECTION REPORT

Completion of this report required by Federal Law 49 CFR 396.11 & 396.13

Location CES Houston, TX Date 9/11/06 8277152Truck/Tractor 273 Trailer #1 253

Dolly _____ Trailer #2 _____

Odometer Mileage 257926

Check <input checked="" type="checkbox"/>	Explain any Defects
	Engine
	Transmission
	Clutch
	Steering Mechanism
	Horn
	Windshield Wipers/Washers
	Rear Vision Mirrors
	Lighting Devices and Reflectors
	Parking Brake
	Service Brakes
	Air Lines/Light Lines
	Coupling Devices
	Tires
	Wheels and Rims
	Emergency Equipment
	Other

☒ Vehicle condition OK
(This must be checked if
there are no defects)

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DRIVER'S VEHICLE INSPECTION REPORT

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Location CES Houston, TX Date 9/12/06 8277153

Truck/Tractor 073 Trailer #1 250

Dolly _____ Trailer #2 _____

Odometer Mileage 258244

Check <input checked="" type="checkbox"/>	Explain any Defects
<input type="checkbox"/>	Engine
<input type="checkbox"/>	Transmission
<input type="checkbox"/>	Clutch
<input type="checkbox"/>	Steering Mechanism
<input type="checkbox"/>	Horn
<input type="checkbox"/>	Windshield Wipers/Washers
<input type="checkbox"/>	Rear Vision Mirrors
<input type="checkbox"/>	Lighting Devices and Reflectors
<input type="checkbox"/>	Parking Brake
<input type="checkbox"/>	Service Brakes
<input type="checkbox"/>	Air Lines/Light Lines
<input type="checkbox"/>	Coupling Devices
<input type="checkbox"/>	Tires
<input type="checkbox"/>	Wheels and Rims
<input type="checkbox"/>	Emergency Equipment
<input type="checkbox"/>	Other

☒ Vehicle condition OK
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DRIVER'S VEHICLE INSPECTION REPORT

Completion of this report required by Federal Law 49 CFR 396.11 & 396.13

Location CEs Houston, TX Date 9/13/06 8277154Truck/Tractor 273 Trailer #1 253

Dolly _____ Trailer #2 _____

Odometer Mileage 258479

Check <input checked="" type="checkbox"/>	Explain any Defects
<input type="checkbox"/>	Engine
<input type="checkbox"/>	Transmission
<input type="checkbox"/>	Clutch
<input type="checkbox"/>	Steering Mechanism
<input type="checkbox"/>	Horn
<input type="checkbox"/>	Windshield Wipers/Washers
<input type="checkbox"/>	Rear Vision Mirrors
<input type="checkbox"/>	Lighting Devices and Reflectors
<input type="checkbox"/>	Parking Brake
<input type="checkbox"/>	Service Brakes
<input type="checkbox"/>	Air Lines/Light Lines
<input type="checkbox"/>	Coupling Devices
<input type="checkbox"/>	Tires
<input type="checkbox"/>	Wheels and Rims
<input type="checkbox"/>	Emergency Equipment
<input type="checkbox"/>	Other

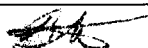
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DRIVER'S VEHICLE INSPECTION REPORT

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Location CES Houston, TX Date 9/14/06 8277155
Truck/Tractor 273 Trailer #1 _____
Dolly _____ Trailer #2 _____
Odometer Mileage 258763

Check <input checked="" type="checkbox"/>	Explain any Defects
<input type="checkbox"/>	Engine
<input type="checkbox"/>	Transmission
<input type="checkbox"/>	Clutch
<input type="checkbox"/>	Steering Mechanism
<input type="checkbox"/>	Horn
<input type="checkbox"/>	Windshield Wipers/Washers
<input type="checkbox"/>	Rear Vision Mirrors
<input type="checkbox"/>	Lighting Devices and Reflectors
<input type="checkbox"/>	Parking Brake
<input type="checkbox"/>	Service Brakes
<input type="checkbox"/>	Air Lines/Light Lines
<input type="checkbox"/>	Coupling Devices
<input type="checkbox"/>	Tires
<input type="checkbox"/>	Wheels and Rims
<input type="checkbox"/>	Emergency Equipment
<input type="checkbox"/>	Other

☒ Vehicle condition OK
(This must be checked if
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DRIVER'S VEHICLE INSPECTION REPORT

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Location CES Houston, TX Date 9/15/06 8277156
 Truck/Tractor 273 Trailer #1 251
 Dolly _____ Trailer #2 _____
 Odometer Mileage 258897

Check <input checked="" type="checkbox"/>	Explain any Defects
	Engine
	Transmission
	Clutch
	Steering Mechanism
	Horn
	Windshield Wipers/Washers
	Rear Vision Mirrors
	Lighting Devices and Reflectors
	Parking Brake
	Service Brakes
	Air Lines/Light Lines
	Coupling Devices
	Tires
	Wheels and Rims
	Emergency Equipment
	Other

☒ Vehicle condition OK
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 there are no defects)

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DRIVER'S VEHICLE INSPECTION REPORT

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Location ES Houston, TX Date 9/16/06 8277157
Truck/Tractor 273 Trailer #1 251
Dolly _____ Trailer #2 _____
Odometer Mileage 259161

Check <input checked="" type="checkbox"/>	Explain any Defects
<input type="checkbox"/>	Engine
<input type="checkbox"/>	Transmission
<input type="checkbox"/>	Clutch
<input type="checkbox"/>	Steering Mechanism
<input type="checkbox"/>	Horn
<input type="checkbox"/>	Windshield Wipers/Washers
<input type="checkbox"/>	Rear Vision Mirrors
<input type="checkbox"/>	Lighting Devices and Reflectors
<input type="checkbox"/>	Parking Brake
<input type="checkbox"/>	Service Brakes
<input type="checkbox"/>	Air Lines/Light Lines
<input type="checkbox"/>	Coupling Devices
<input type="checkbox"/>	Tires
<input type="checkbox"/>	Wheels and Rims
<input type="checkbox"/>	Emergency Equipment
<input type="checkbox"/>	Other

☒ Vehicle condition OK
(This must be checked if
there are no defects)

[Signature]
Reporting Driver's Signature

☐ Defects do not need to
be corrected for safe
operation

☐ Defects Corrected

Certified by: _____
Mechanic's Signature

[Signature]
Reviewing Driver's Signature

WHITE - MAINTENANCE
CANARY - DRIVER REVIEW

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DRIVER'S VEHICLE INSPECTION REPORT

Completion of this report required by Federal Law 49 CFR 396.11 & 396.13

Location CES Houston, TX Date 9/18/06 8277158Truck/Tractor 273 Trailer #1 _____

Dolly _____ Trailer #2 _____

Odometer Mileage 259263

Check <input checked="" type="checkbox"/>	Explain any Defects
<input type="checkbox"/>	Engine
<input type="checkbox"/>	Transmission
<input type="checkbox"/>	Clutch
<input type="checkbox"/>	Steering Mechanism
<input type="checkbox"/>	Horn
<input type="checkbox"/>	Windshield Wipers/Washers
<input type="checkbox"/>	Rear Vision Mirrors
<input type="checkbox"/>	Lighting Devices and Reflectors
<input type="checkbox"/>	Parking Brake
<input type="checkbox"/>	Service Brakes <u>Front shoe brakes are worn out need to be replaced</u>
<input type="checkbox"/>	Air Lines/Light Lines
<input type="checkbox"/>	Coupling Devices
<input type="checkbox"/>	Tires
<input type="checkbox"/>	Wheels and Rims
<input type="checkbox"/>	Emergency Equipment
<input type="checkbox"/>	Other

☒ Vehicle condition OK
(This must be checked if
there are no defects)

[Signature]
Reporting Driver's Signature

☐ Defects do not need to
be corrected for safe
operation

☐ Defects Corrected

Certified by: _____
Mechanic's Signature

[Signature]
Reviewing Driver's Signature

WHITE - MAINTENANCE
CANARY - DRIVER REVIEW

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DRIVER'S VEHICLE INSPECTION REPORT

Completion of this report required by Federal Law 49 CFR 396.11 & 396.13

Location CES Houston, TX Date 9/19/06 8277159

Truck/Tractor 273 Trailer #1 _____

Dolly _____ Trailer #2 2815 matlock

Odometer Mileage 259515

Check <input checked="" type="checkbox"/>	Explain any Defects
<input type="checkbox"/>	Engine
<input type="checkbox"/>	Transmission
<input type="checkbox"/>	Clutch
<input type="checkbox"/>	Steering Mechanism
<input type="checkbox"/>	Horn
<input type="checkbox"/>	Windshield Wipers/Washers
<input type="checkbox"/>	Rear Vision Mirrors
<input type="checkbox"/>	Lighting Devices and Reflectors
<input type="checkbox"/>	Parking Brake
<input type="checkbox"/>	Service Brakes
<input type="checkbox"/>	Air Lines/Light Lines
<input type="checkbox"/>	Coupling Devices
<input type="checkbox"/>	Tires
<input type="checkbox"/>	Wheels and Rims
<input type="checkbox"/>	Emergency Equipment
<input type="checkbox"/>	Other

☒ Vehicle condition OK
(This must be checked if
there are no defects)

[Signature]
Reporting Driver's Signature

☐ Defects do not need to
be corrected for safe
operation

☐ Defects Corrected

Certified by: _____
Mechanic's Signature

[Signature]
Reviewing Driver's Signature

WHITE - MAINTENANCE
CANARY - DRIVER REVIEW

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Paces Permit Application: Sodium
Hydroxide Production - Supplemental



Copy
False



The WCM Group, Inc.

January 26, 2009

Ms. Jill Parks
Air Permits Division MC-163
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
12100 Park 35 Circle
Austin, Texas 78753

LONE STAR
AIRBILL NUMBER
P2687586

Reference: Air Permit Application Supplemental Information
Permit No. 86587
Port Arthur Chemical & Environmental Services, LLC
2420 Highway 87 South
Port Arthur, Jefferson County, Texas 77640

Dear Ms. Parks:

On behalf of Port Arthur Chemical & Environmental Services, LLC, please find enclosed the supplemental information to the previous permit application dated November 12, 2008. Specifically, this document addresses the addition of feed storage and process tanks. Updated forms and application text are included in this submission.

If you have questions regarding this application, or require further information, please do not hesitate to contact Mr. Matt Bowman at (713) 676-1460, or me directly at (281) 446-7070.

Sincerely,

Philip B. Evans
Director, Technical Services

PBE/tv
27394:5330023.let.doc

Enclosure

cc: M. Bowman
H. Ross – TCEQ Region 10

PERMIT APPLICATION
SUPPLEMENTAL INFORMATION FOR
SODIUM HYDROSULFIDE PRODUCTION

PERMIT NO. 86587

Prepared for
PORT ARTHUR CHEMICAL &
ENVIRONMENTAL SERVICES, LLC
Port Arthur, Jefferson County, Texas

Prepared by
THE WCM GROUP, INC.
Humble, Texas

January 2009

PERMIT APPLICATION
SUPPLEMENTAL INFORMATION FOR
SODIUM HYDROSULFIDE PRODUCTION

PERMIT NO. 86587

Prepared for
PORT ARTHUR CHEMICAL &
ENVIRONMENTAL SERVICES, LLC
Port Arthur, Jefferson County, Texas

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- B - MODELING IMPACTS; SCREEN3 MODEL RUNS
- C - ANALYTICAL REPORT

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TCEQ TABLE 2

FIGURES

- 2 - EQUIPMENT LAYOUT
- 3 - PROCESS FLOW DIAGRAM

1.0 INTRODUCTION

Port Arthur Chemical & Environmental Services, LLC intends to construct and operate equipment for use in the batch production of sodium hydrosulfide (NaSH) on a property located at 2420 Gulfway Drive south of Port Arthur in Jefferson County, Texas. This document is being submitted as a supplement to the previous permit application dated November 12, 2008. The assigned permit number is 86587. Specifically, this document addresses the addition of feed storage and a second production train to the NaSH production unit described in the previous application.

The production process involves the initial oxidation and acidification of an aqueous feed stream composed of dissolved sodium salts and sulfurized isobutylene oil. The reaction overhead is then routed via closed system to a sodium hydroxide solution where it is further reacted to produce the NaSH solution. The product is loaded into tank trucks or isocontainers and shipped off-site. Operational details are found in the Process Description section of this registration.

The facility is located in the Beaumont/Port Arthur ozone nonattainment area and will be classified as a minor source for emissions of Volatile Organic Compounds (VOC) and Nitrogen Oxides (NO_x). The emissions associated with this project are calculated as 8.72 tons per year of VOC and 1.68 tons per year of NO_x. Emission calculations are provided in Attachment A. Federal nonattainment and PSD program requirements do not apply. Texas Commission on Environmental Quality (TCEQ) Table 1(a) and Table 2 are provided as replacement forms. In addition, replacement facility site map and process flow diagrams are provided.

2.0 PROCESS DESCRIPTION

NORMAL OPERATION

An aqueous feed stream composed of dissolved sodium salts (sodium sulfide, sodium hydrosulfide, sodium hydroxide, sodium carbonate) and sulfurized isobutylene with miscellaneous sulfur compounds is delivered to the facility in tank trucks or isocontainers by barge. The feed is batch transferred from the shipping container into a closed 45,000-gallon mix reactor vessel (T1) or (T1A) using a tank-to-tank vapor exchange. The material may also be routed through a 14,000-gallon oil/water separator (T9) to remove residual oil as needed prior to processing. The mix reactor contents can also be circulated through the oil/water separator as needed. There are two 20,000-gallon storage tanks (T14, T15) for additional feedstock storage.

A 30% solution of hydrogen peroxide is transferred from a 7,000-gallon fixed roof tank (T2) to a smaller 500-gallon dilution vessel (T3) where it is diluted to a 10% solution. The dilute hydrogen peroxide is introduced into the mix reactor to oxidize the residual SIB oil. Sulfuric acid is then added from a 10,000-gallon fixed roof tank (T4) to react with the caustic sodium salts, maintaining the solution at pH 4. The reaction overhead flows from the mix vessel through a closed 6,000-gallon liquid collection (knock out) vessel (T6) or (T6A) and on to a second 6,000-gallon vessel (T7) or (T7A) containing a strong caustic solution (35% sodium hydroxide) for conversion to the NaSH product. The process vents to a caustic scrubber and then to a flare (FL1) to control any non-reacted sulfidic vapors. The caustic solution is supplied from an 8,000-gallon fixed roof tank (T-5). The aqueous sodium hydrosulfide product is transferred directly from the product collection tank (T7) or (T7A) into tank trucks or isocontainers and shipped off-site to the customer. Process wastewater solutions remaining in the mix reactor (T1) or (T1A) and collected in the overflow vessel (T6) or (T6A) are transferred to a 39,000-gallon wastewater tank (T8) for storage prior to off-site shipment. The wastewater is an aqueous solution of inorganic reaction salts.

The flare (FL1) is a three (3) inch diameter forty (40) foot tall, air assisted smokeless gas flare equipped with supplemental fuel system and a continuously burning pilot. The pilot gas and supplemental fuel are propane supplied from a horizontal pressure storage vessel (T10). In addition to residual un-reacted overheads, the flare is used to control displacement losses from the oil/water separator vessel (T9) while the batch process is operating. When the batch process is not operated, collected oil is transferred to tank trucks or isocontainers for off-site shipment. Vapor balance is employed during this transfer to minimize emissions.

MAINTENANCE OPERATION

As described, the process is batch in nature so emissions associated with the vessel charges (startup) are already addressed as part of normal operations. However, it is periodically necessary to empty and degass the process vessels to facilitate removal of reaction salts or sludge. The vessels (T1 / T1A, T6 / T6A, T7 / T7A) are degassed to the existing flare before cleaning. It is anticipated that this maintenance activity could occur on a quarterly basis. The vacuum truck used to remove the sludge material is connected to the flare system for volatile control during the process. Emission estimates are included in Attachment A.

EQUIPMENT LIST

FIN	Description	Project Use
T1	45,000-gal capacity horizontal tank	Reactor Vessel
T1A	45,000-gal capacity horizontal tank	Reactor Vessel
T2	7,000-gal capacity Horz Fixed Roof Tank	30% Hydrogen Peroxide Storage
T3	550-gal capacity Vert Fixed Roof Tank	10% Hydrogen Peroxide Storage
T4	10,000-gal capacity horizontal tank	Sulfuric Acid Storage
T5	8,000-gal capacity horizontal tank	Sodium Hydroxide Storage
T6	6,000-gal capacity Vert Fixed Roof Tank	Liquid Collection Tank
T6A	6,000-gal capacity Vert Fixed Roof Tank	Liquid Collection Tank
T7	6,000-gal capacity Vert Fixed Roof Tank	NASH Tank
T7A	6,000-gal capacity Vert Fixed Roof Tank	NASH Tank
T8	39,000-gal capacity horizontal tank	Wastewater Storage
T15	20,000-gal capacity horizontal tank	Feedstock Storage
T16	20,000-gal capacity horizontal tank	Feedstock Storage
T9	Oil water separator	Oil Separation And Storage
TTL	Tank Truck/Isocontainer loading/unloading	Material Loading/Unloading
N/A	Caustic scrubber	Vent Control
FL1	Flare	Vent Control
T10	Horizontal Pressure Storage Tank	Propane (LPG) Fuel Storage

3.0 EMISSIONS SUMMARY

Emissions associated with the project include those generated from storage, processing, and transfer operations, as well as from potential fugitive equipment and piping component leaks. Displacement losses from material transfers are minimized using vapor balance. The reaction overhead composed of sulfidic vapors (primarily hydrogen sulfide) generated in the mix reactor (T1) or (T1A) flows through a closed vent system into the NaSH production vessel (T7) or (T7A) where it is converted to the product by reaction with caustic solution. There is no intermediate storage or handling of the overhead stream between the point of generation and the point of conversion. The only emissions are potential fugitive piping leaks. The vent from the NaSH production vessel is routed through an abatement train consisting of a caustic scrubber and flare to control any non-reacted sulfides. Analytical data provided in Attachment C speciated the sulfur compounds in the vapor space.

Fugitive emissions from potential leaks at valves, pumps, connections and other equipment associated with this project are calculated using the methods and emission factors specified in the TCEQ document "Air Permit Technical Guidance for Chemical Sources: Equipment Leak Fugitives". No reduction credit is taken for inspection program.

Emissions also include those associated with periodic maintenance activities that are planned or anticipated to ensure efficient operations.

Emission Summary

Pollutant	TPY
VOC	8.72
NO _x	1.68
CO	0.76
SO ₂	0.63

4.0 IMPACTS ANALYSIS

The emissions generated from the production of sodium hydrosulfide were evaluated for their potential short-term off-property impacts using the results of generic dispersion modeling generated from the EPA approved SCREEN3 model software. Potential impacts for each chemical were determined by multiplying the ratio of the calculated chemical emission rate and the modeled generic emission rate (1.0 g/sec) with the modeled generic concentration for each source, in accordance with the following formula:

Controlled:

$$(C / G) \times F)$$

Uncontrolled:

$$(C / G) \times W)$$

where:

- C = calculated compound emission (g/sec)
- G = Modeled generic emission rate (1.0 g/sec)
- W = Max. off-site generic building concentration (ug/m3)
- F = Max. off-site generic flare concentration (ug/m3)

The resulting concentration for each compound was then compared to its 30-minute TCEQ ESL to determine the acceptability of its estimated impact. The ESLs used to determine the impacts were obtained from the TCEQ published ESL list or where indicated from specific TCEQ regulations or the National Ambient Air Quality Standards.

The modeling evaluation impact summary and the SCREEN3 model runs for routine and MSS emissions are found in Attachment B.

ATTACHMENT A
EMISSION CALCULATIONS

PORT ARTHUR CHEMICAL AND ENVIRONMENTAL SERVICES, LLC
SUMMARY OF EMISSIONS

EPN PA1 : Process Building East End

Chemical	Storage/ Process		Fugitives		Total	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
Sodium Sulfide	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Sodium Carbonate	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hydrogen Peroxide	0.0149	0.1466	0.0003	0.0013	0.0152	0.1479
Sulfuric Acid	0.0000	0.0000			0.0000	0.0000
Sodium Hydroxide	0.0000	0.0046			0.0000	0.0046
Hydrogen Sulfide			0.0034	0.0147	0.0034	0.0147
Sodium Hydrosulfide			0.0002	0.0008	0.0002	0.0008
SIB Oil			0.0184	0.0805	0.0184	0.0805
Recovered Oil			0.0000	0.0001	0.0000	0.0001
					0.0184	0.0806
					0.0188	0.1681

VOC

VOC

VOC

non-VOC

EPN FL1 : Flare East End

Chemical	Storage/ Process		Loading		Total	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
SIB Oil	0.0496	2.4140			0.0496	2.4140
Sodium Hydrosulfide	0.0099	0.8244	0.0018	0.0049	0.0116	0.8292
Recovered Oil	0.0011	0.0842	0.0004	0.0010	0.0015	0.0852
Salts	0.0102	0.8451	0.0036	0.0100	0.0138	0.8551
					0.0254	1.6843
Carbon Disulfide					0.0078	0.0342
Carbonyl Sulfide					0.0010	0.0045
Diethyl Disulfide					0.0146	0.0640
Dimethyl Disulfide					0.0386	0.1691
Ethyl Isopropyl Disulfide					0.0128	0.0562
Ethyl Mercaptan					0.0011	0.0046
Ethyl Methyl Disulfide					0.0647	0.2834
Hydrogen Sulfide					0.0285	0.1249
Methyl Isopropyl Disulfide					0.0026	0.0112
Methyl Mercaptan					0.0025	0.0108
Tert-Butyl Mercaptan					0.0015	0.0067
					0.1757	0.7696

non-VOC

Sulfur

MSS	
lb/hr	TPY
0.4346	0.0009
0.2476	0.0005

Combustion Products

nitrogen oxides	0.3831	1.6781	NOX
carbon monoxide	0.7649	0.7649	CO
Propane	1.3843	6.0632	VOC
sulfur dioxide	0.1438	0.6300	SO2

FLARE

1.4354	8.6430	VOC
1.4538	8.7236	VOC TOTAL

PORT ARTHUR CHEMICAL AND ENVIRONMENTAL SERVICES, LLC
TANK EMISSION CALCULATIONS

	Tank ID: chemical	T1 SIB Oil	T1A SIB Oil	T2 30%	T3 10%	T4	T5	T6
	Material:	Feedstock	Feedstock	Hydrogen Peroxide	Hydrogen Peroxide	Sulfuric Acid	Sodium Hydroxide	Sodium Hydrosulfide
Annual Throughput, gal/yr	Q =	14,560,000	14,560,000	2,773,333	8,320,000	2,080,000	2,080,000	8,736,000
Max Hourly Transfer Rate, gal/hr	FR =	4,000	4,000	4,000	500	500	500	1,400
Emissions:								
Maximum Hourly Emissions, lb/hr	Lmax =	0.02480	0.02480	0.00000	0.15888	0.00002	0.00003	0.00246
Total Annual Emissions, TPY	Lt =	1.20699	1.20699	0.27405	0.72677	0.00001	0.00461	0.20609
Annual Average Hourly Emis, lb/hr	Lavg =	0.276	0.276	0.063	0.166	0.000	0.00105	0.047
Standing loss, lb/yr	Ls =	7.334	7.334	17.972	0.854	0.002	0.106	2.167
Working loss, lb/yr	Lw =	2406.645	2406.645	530.124	1452.685	0.023	9.104	410.011
Material Properties:								
Molecular Weight, lb/lb-mole	Mv =	18.00	18.00	20.80	18.83	98.07	0.58	18.00
Vapor Pressure @ T1a, psia	Pva =	0.39	0.39	0.39	0.39	0.00	0.32	0.11
Vapor Pressure @ T1n, psia	Pvn =	0.33	0.33	0.32	0.33	0.00	0.27	0.09
Vapor Pressure @ T1x, psia	Pvx =	0.46	0.46	0.46	0.46	0.00	0.38	0.13
Max. Vapor Pressure @ mT1x, psia	Pvmax =	0.72	0.72	0.65	0.71	0.00	0.00	0.21
Tank Properties:								
Vapor control device		flare	flare	vapor balance	none	none	none	flare
Vapor control efficiency, %	e =	98	98	100	0	0	0	98
Capacity volume, gal	Cv =	47,966	47,966	8,812	547	15,039	13,535	6,016
Shell Diameter, ft	D =	10.8	10.8	10.0	4.5	8.0	8.0	8.0
Shell Height/Length, ft	Hs =	70.0	70.0	15.0	4.6	40.0	36.0	16.0
Tank Orientation (vertical or horizontal)		horiz	horiz	horiz	vert	horiz	horiz	vert
Roof type (cone or dome)		N/A	N/A	N/A	cone	N/A	N/A	cone
Tank Color (white, light gray, other)		white	white	white	white	white	white	white
Solar absorbance factor	a =	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Pressure vent setting, psig	Pbp =	0.3	0.3	0	0	0	0.3	0
Vacuum vent setting, psia	Pbv =	-0.3	-0.3	0	0	0	-0.3	0
Effective diameter, ft	De =	10.8	10.8	13.8	4.5	20.2	19.2	8.0
Avg. Liquid Height, ft	HL =	35.0	35.0	5.0	2.3	4.0	4.0	8.0
Max. Liquid Height, ft	HLx =	70.0	70.0	10.0	4.6	8.0	8.0	16.0
Roof Outage, ft	Hro =	0.00	0.00	0.00	0.05	0.00	0.00	0.08
Vapor Space Outage, ft	Hvo =	35.00	35.00	5.00	2.35	4.00	4.00	8.08
Vapor space volume, ft³	Vv =	3206.31	3206.31	750.38	37.33	1280.65	1152.58	406.31
Operating Conditions (Houston, Tx):								
Atmospheric pressure, psia	Pa =	14.7	14.7	14.7	14.7	14.7	14.7	14.7
Annual Avg. Daily solar insulation factor, Btu/ft² day	I =	1351	1351	1351	1351	1351	1351	1351
Annual Avg. Daily max. ambient temp, R	Tax =	539.1	539.1	539.1	539.1	539.1	539.1	539.1
Annual Avg. Daily min. ambient temp, R	Tan =	517.4	517.4	517.4	517.4	517.4	517.4	517.4
Annual Avg. Daily vapor temp. range, R	^Tv =	22.1	22.1	22.1	22.1	22.1	22.1	22.1
Annual Daily avg. liquid surface temp, R	T1a =	530.1	530.1	530.1	530.1	530.1	520.0	530.1
Annual Avg. Daily min. liquid surface temp., R	T1n =	524.6	524.6	524.6	524.6	524.6	515.0	524.6
Annual Avg. Daily max. liquid surface temp., R	T1x =	535.6	535.6	535.6	535.6	535.6	525.0	535.6
Highest Month Daily solar insulation factor, Btu/ft² day	ml =	1898	1898	1898	1898	1898	1898	1898
Highest Month Daily max. ambient temp, R	mTax =	553.6	553.6	553.6	553.6	553.6	553.6	553.6
Highest Month Daily min. ambient temp, R	mTan =	532.5	532.5	532.5	532.5	532.5	532.5	532.5
Highest Month Daily vapor temp. range, R	m^Tv =	24.2	24.2	24.2	24.2	24.2	24.2	24.2
Highest Month Daily max. liquid surface temp., R	mT1x =	551.7	551.7	551.7	551.7	551.7	525.0	551.7
Gas Constant, psia-ft³/lb mole-R	R =	10.73	10.73	10.73	10.73	10.73	10.73	10.73
Vapor Density, lb/ft³	Wv =	0.001	0.001	0.001	0.001	0.000	0.000	0.000
Daily vapor pressure range, psia	^Pv =	0.131	0.131	0.138	0.134	0.000	0.108	0.037
Vapor space expansion factor	Ke =	0.009	0.009	0.051	0.051	0.042	0.008	0.044
Vented vapor saturation factor	Ks =	0.583	0.583	0.907	0.954	1.000	0.937	0.955
Working Loss Product Factor	Kp =	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turnovers	N =	303.55	303.55	314.72	15203.69	138.30	153.67	1452.18
Turnover factor	Kn =	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Operating Days, days/yr	Days =	365	365	365	365	365	365	365

**PORT ARTHUR CHEMICAL AND ENVIRONMENTAL
TANK EMISSION CALCULATIONS**

	Tank ID: chemical	T6A	T7	T7A	T14	T15	T8 Salts	T9 Recovered Oil
	Material:	Sodium Hydrosulfide	Sodium Hydrosulfide	Sodium Hydrosulfide	Feedstock storage	Feedstock storage	Wastewater	Separator
Annual Throughput, gal/yr	Q =	8,736,000	8,736,000	8,736,000	7,280,000	7,280,000	11,648,000	873,600
Max Hourly Transfer Rate, gal/hr	FR =	1,400	1,400	1,400	14,000	14,000	1,867	140
Emissions:								
Maximum Hourly Emissions, lb/hr	Lmax =	0.00246	0.00246	0.00246	4.33963	4.33963	0.01016	0.00109
Total Annual Emissions, TPy	Lt =	0.20609	0.20609	0.20609	0.60166	0.60166	0.84511	0.08424
Annual Average Hourly Emis, lb/hr	Lavg =	0.047	0.047	0.047	0.137	0.137	0.193	0.019
Standing loss, lb/yr	LS =	2.167	2.167	2.167	0.000	0.000	0.000	0.000
Working loss, lb/yr	Lw =	410.011	410.011	410.011	1203.322	1203.322	1690.211	168.475
Material Properties:								
Molecular Weight, lb/lb-mole	Mv =	18.00	18.00	18.00	18.00	18.00	18.00	150.00
Vapor Pressure @ T1a, psia	Pva =	0.11	0.11	0.11	0.39	0.39	0.34	0.05
Vapor Pressure @ T1n, psia	Pvn =	0.09	0.09	0.09	0.33	0.33	0.29	0.04
Vapor Pressure @ T1x, psia	Pvx =	0.13	0.13	0.13	0.46	0.46	0.40	0.07
Max. Vapor Pressure @ mT1x, psia	Pvmax =	0.21	0.21	0.21	0.72	0.72	0.63	0.11
Tank Properties:								
Vapor control device		flare	flare	flare	none	none	flare	flare
Vapor control efficiency, %	e =	98	98	98	0	0	98	98
Capacity volume, gal	Cv =	6,016	6,016	6,016	26,437	26,437	41,123	14,099
Shell Diameter, ft	D =	8.0	8.0	8.0	10.0	10.0	10.0	10.0
Shell Height/Length, ft	Hs =	16.0	16.0	16.0	45.0	45.0	70.0	24.0
Tank Orientation (vertical or horizontal)		vert	vert	vert	horiz	horiz	horiz	vert
Roof type (cone or dome)		cone	cone	cone	N/A	N/A	N/A	cone
Tank Color (white, light gray, other)		white	white	white	white	white	white	white
Solar absorbance factor	a =	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Pressure vent setting, psig	Pbp =	0	0	0	0	0	0	0
Vacuum vent setting, psia	Pbv =	0	0	0	0	0	0	0
Effective diameter, ft	De =	8.0	8.0	8.0	23.9	23.9	29.9	10.0
Avg. Liquid Height, ft	HL =	8.0	8.0	8.0	5.0	5.0	5.0	12.0
Max. Liquid Height, ft	Hlx =	16.0	16.0	16.0	10.0	10.0	10.0	24.0
Roof Outage, ft	Hro =	0.08	0.08	0.08	0.00	0.00	0.00	0.10
Vapor Space Outage, ft	Hvo =	8.08	8.08	8.08	5.00	5.00	5.00	12.10
Vapor space volume, ft³	Vv =	406.31	406.31	406.31	2251.14	2251.14	3501.78	950.66
Operating Conditions (Houston, Tx):								
Atmospheric pressure, psia	Pa =	14.7	14.7	14.7	14.7	14.7	14.7	14.7
Annual Avg. Daily solar insulation factor, Btu/ft² day	I =	1351	1351	1351	1351	1351	1351	1351
Annual Avg. Daily max. ambient temp, R	Tax =	539.1	539.1	539.1	539.1	539.1	539.1	539.1
Annual Avg. Daily min. ambient temp, R	Tan =	517.4	517.4	517.4	517.4	517.4	517.4	517.4
Annual Avg. Daily vapor temp. range, R	ΔTv =	22.1	22.1	22.1	22.1	22.1	22.1	22.1
Annual Daily avg. liquid surface temp, R	T1a =	530.1	530.1	530.1	530.1	530.1	530.1	530.1
Annual Avg. Daily min. liquid surface temp., R	T1n =	524.6	524.6	524.6	524.6	524.6	524.6	524.6
Annual Avg. Daily max. liquid surface temp., R	T1x =	535.6	535.6	535.6	535.6	535.6	535.6	535.6
Highest Month Daily solar insulation factor, Btu/ft² day	ml =	1898	1898	1898	1898	1898	1898	1898
Highest Month Daily max. ambient temp, R	mTax =	553.6	553.6	553.6	553.6	553.6	553.6	553.6
Highest Month Daily min. ambient temp, R	mTan =	532.5	532.5	532.5	532.5	532.5	532.5	532.5
Highest Month Daily vapor temp. range, R	mΔTv =	24.2	24.2	24.2	24.2	24.2	24.2	24.2
Highest Month Daily max. liquid surface temp., R	mT1x =	551.7	551.7	551.7	551.7	551.7	551.7	551.7
Gas Constant, psia-ft³/lb mole-R	R =	10.73	10.73	10.73	10.73	10.73	10.73	10.73
Vapor Density, lb/ft³	Wv =	0.000	0.000	0.000	0.001	0.001	0.001	0.001
Daily vapor pressure range, psia	ΔPv =	0.037	0.037	0.037	0.131	0.131	0.115	0.020
Vapor space expansion factor	Ke =	0.044	0.044	0.044	0.051	0.051	0.050	0.043
Vented vapor saturation factor	Ks =	0.955	0.955	0.955	0.907	0.907	0.918	0.967
Working Loss Product Factor	Kp =	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turnovers	N =	1452.18	1452.18	1452.18	275.38	275.38	283.24	61.96
Turnover factor	Kn =	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Operating Days, days/yr	Days =	365	365	365	365	365	365	365

PORT ARTHUR CHEMICAL AND ENVIRONMENTAL SERVICES, LLC
TANK EMISSION CALCULATIONS

Hydrogen Peroxide Storage speciation for component percentage					
	lb/hr	TPY	vapor wt @ Max Hourly	lb/hr	TPY
T2	0.0000	0.2740	0.2858	0.0000	0.0783
T3	0.1589	0.7268	0.0940	0.0149	0.0683
				0.0149	0.1466
				TOTAL	

PORT ARTHUR CHEMICAL AND ENVIRONMENTAL SERVICES, LLC
Flare Combustion Calculation

COMBUSTION

132	112.35	0.33	19.65	scfm
	vent gas	pilot gas	Propane	
			8.66	ft3/lb
heat	0	2,316	2,316	Btu/scf
flow	6,741	20	1,179	scf/hr
rate	59,051,160	173,448	10,328,040	scf/year

	Factor lb/MMBtu	NOx TPY	NOx lb/hr	Factor lb/MMBtu	CO TPY	CO lb/hr	VOC TPY (propane)	VOC lb/hr (propane)
Vent Gas	0.1380	0.000	0.000	0.2755	0.000	0.000	0.000	0.000
Pilot Gas	0.1380	0.028	0.006	0.2755	0.055	0.013	0.100	0.023
Supplemental Gas	0.1380	1.650	0.377	0.2755	3.295	0.752	5.963	1.361
Total	N/A	1.678	0.383	N/A	3.350	0.765	6.063	1.384

Flare Destruction/Removal Efficiency and Emission Factors are based on TCEQ Technical Guidance for Chemical Sources: Flares and Vapor Oxidizers: RG-109 October 2000 for high Btu non-steam assisted flares.

Pilot Gas Sample calculation:

$$\text{NOx ton/yr: } (2,316 \text{ Btu/lb}) * (173,448 \text{ lb/MMBtu}) / 1000000 * (0.1380 \text{ lb/yr}) / 2000 = 0.028 \text{ tpy}$$

$$\text{NOx lb/hr: } (2,316 \text{ Btu/lb}) * (20 \text{ lb/MMBtu}) / 1000000 * (0.1380 \text{ lb/yr}) = 0.006 \text{ lb/hr}$$

³ TCEQ Technical Flare Guidance states in Table 4 Flare Factors - PM emission factor is none.

Propane Sample Calculation:

$$\text{Propane ton/yr } (10,328,040 \text{ cf/hr}) / (8.66 \text{ cf/lb}) * (100 - 99) / 100 / 2000 = 5.963 \text{ TPY}$$

$$\text{Propane lb/hr } (1,179 \text{ cf/hr}) / (8.66 \text{ cf/lb}) * (100 - 99) / 100 = 1.361 \text{ lb/hr}$$

PORT ARTHUR CHEMICAL AND ENVIRONMENTAL SERVICES, LLC
Flare Emission Calculation

Analytical data indicates the following speciation for tank vapor space.

Calculation Basis:

IDEAL GAS LAW, $PV = nRT$

where:

P = pressure (psia)

14.7 psia

V = volumetric flow rate (scf /min)

112.35 scf /min

R = Universal Gas Constant

10.73 psia scf / lb mole R

T = Temperature

530.1 R

n = no. of moles of gas

then,

$n = PV / RT * \text{ppm} / 10^6 * 60$

Speciation	MW	ppm	lb mole sulfur / hr	lb/hr	controlled	98%
					lb/hr	TPY compound
Carbon Disulfide	76.131	6	0.00010	0.00796	0.00780	0.0342
Carbonyl sulfide	60.0704	1	0.00002	0.00105	0.00103	0.0045
Diethyl Disulfide	122.243	7	0.00012	0.01491	0.01461	0.0640
Dimethyl Disulfide	94.194	24	0.00042	0.03938	0.03860	0.1691
Ethyl Isopropyl Disulfide	150.31	5	0.00009	0.01309	0.01283	0.0562
Ethyl mercaptan	62.134	1	0.00002	0.00108	0.00106	0.0046
Ethyl Methyl Disulfide	122.25	31	0.00054	0.06602	0.06470	0.2834
Hydrogen sulfide	34.076	1	0.00002	0.00059	0.00058	0.0025
Methyl Isopropyl Disulfide	150.31	1	0.00002	0.00262	0.00257	0.0112
Methyl Mercaptan	48.1026	3	0.00005	0.00251	0.00246	0.0108
Tert-Butyl Mercaptan	90.183	1	0.00002	0.00157	0.00154	0.0067
Unidentified Volatile Sulfur *	34.076	48	0.00084	0.02850	0.02793	0.1223

* as H₂S worst case

0.17929

0.17570

0.7696

					100% conversion	
Sulfur Dioxide	64	129	0.00225	0.14383	0.14383	0.6300

Flare combustion converts all sulfur compounds to SO₂, conservatively assume 100% conversion.

PORT ARTHUR CHEMICAL AND ENVIRONMENTAL SERVICES, LLC
ANTICIPATED MAINTENANCE ACTIVITY

Degassing of reactor vessels for sludge removal.

Tank ID	TYPE FXR or IFR	Shell Diameter (ft)	Shell Height/Length (ft)	Calculated Capacity (gal)	
T1	FXR	10.8	70	47,966	SIB mixture
T1A	FXR	10.8	70	47,966	SIB mixture
T6	FXR	8	16	6,016	Sodium Hydrosulfide
T6A	FXR	8	16	6,016	Sodium Hydrosulfide
T7	FXR	8	16	6,016	Sodium Hydrosulfide
T7A	FXR	8	16	6,016	Sodium Hydrosulfide

Tanks are degassed to the flare

Frequency = 4 events/yr

Chemical	Degassing						
	MW	VP	Temp	Flare	Emissions		
	lb/lb mole	psia	R	%	lb/event	TPY	
SIB mixture	18	0.7233	535.6	98	4.3464	0.0087	
SIB mixture	18	0.7233	535.6	98	4.3464	0.0087	
Only one set of tanks at a time.					0.4346	0.0009	SIB 10%
Sodium Hydrosulfide	18	0.2054	535.6	98	0.1548	0.0003	
Sodium Hydrosulfide	18	0.2054	535.6	98	0.1548	0.0003	
Sodium Hydrosulfide	18	0.2054	535.6	98	0.1548	0.0003	
Sodium Hydrosulfide	18	0.2054	535.6	98	0.1548	0.0003	
Only one set of tanks at a time.					0.2476	0.0005	NASH 80%

PORT ARTHUR CHEMICAL AND ENVIRONMENTAL SERVICES, LLC
LOADING LOSS EMISSIONS

		T7	T7A	T8	T9
Material:		Sodium Hydrosulfide	Sodium Hydrosulfide	Wastewater	Recovered Oil
EPN:		LDR-001	LDR-001	LDR-001	LDR-001
Annual Throughput, gal/yr	Th =	8,736,000	8,736,000	11,648,000	873,600
Max Hourly Fill Rate, gal/hr	FR =	1,400	1,400	1,867	140
Emissions:					
Maximum Hourly Emissions, lb/hr	II =	0.0009	0.0009	0.0036	0.0004
Annual Emissions, TPY	LL =	0.0024	0.0024	0.0100	0.0010
Filling loss, lb/hr $II = [(12.46 \times ((S \times VP_x \times MW) / T_x) / 1000) \times FR \times (c/100) \times (1-e/100)]$ Loading loss, TPY $LL = [(12.46 \times ((S \times VP_a \times MW) / T_a) / 1000) \times Th \times (c/100) \times (1-e/100)] / 2000$					
Material Properties:					
Molecular Weight, lb/lb-mole	Mv =	18.00	18.00	18.00	150.00
Vapor Pressure @ Tlx, psia	Pvx =	0.13	0.13	0.40	0.07
Vapor Pressure @ Tla, psia	Pva =	0.11	0.11	0.34	0.05
Vapor control device		flare	flare	flare	flare
Capture efficiency, %	c =	100	100	100	100
Vapor control efficiency, %	e =	98	98	98	98
Max Liquid Temp., R	Tlx =	551.67	551.67	551.67	551.67
Averag Liquid Temp., R	Tla =	530.08	530.08	530.08	530.08
Saturation Factor	S =	0.6	0.6	0.6	0.6

Loading Sum	TOTAL	
EPN	lb/hr	TPY
LDR-001	0.00578	0.0159

EPAHQ041000225

PORT ARTHUR CHEMICAL AND ENVIRONMENTAL SERVICES, LLC
FUGITIVE EMISSION ESTIMATES

MATERIAL	FIN	VP (psia)	Liquid wt frac.	Stream Type LL,HL,G/V	Valves	lbs/hr	Flanges	lbs/hr	Gas/Vapo Gas/Vapor		lbs/hr	Pumps	lbs/hr	Total lb/hr	EMISSIONS	
									Valves	Flanges					(lb/hr)	(ton/yr)
SIB oil	T1	0.72327	1.0000	LL	22	0.00231	98	0.00147	0	0	0	2	0.005404	0.0092	0.0092	0.0402
SIB oil	T1A	0.72327	1.0000	LL	22	0.00231	98	0.00147	0	0	0	2	0.005404	0.0092	0.0092	0.0402
Hydrogen peroxide 30%	T2	0.65214	0.3000	LL	2	0.00021	6	0.00009	0	0	0	1	0.002702	0.0009	0.0003	0.0012
Hydrogen peroxide 10%	T3	0.70865	0.1000	LL	2	0.00021	6	0.00009	0	0	0	1	0.002702	0.0003	0.0000	0.0001
Hydrogen sulfide	to T7 to T7A		1.0000	G/V	0	0	0	0.00000	1	16	0.001392	0	0	0.0017	0.0017	0.0073
			1.0000	G/V	0	0	0	0.00000	1	16	0.001392	0	0	0.0017	0.0017	0.0073
Vent gas	FL1		0.1000	G/V	0	0	0	0.00000	1	50	0.00435	0	0	0.0005	0.0000	0.0002
Recovered Oil	LDR-001	0.10938	0.0500	LL	1	0.000105	6	0.00009	1	0	0	0	0	0.0000	0.0000	0.0000
Sodium Hydrosulfide	LDR-001	0.20537	1.0000	LL	0	0	12	0.00018	0	0	0	0	0	0.0002	0.0002	0.0008
															0.0220	0.0965

Speciation	Total		Tank		Vent		Load	
	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY	lb/hr	TPY
SIB oil	0.0184	0.0805	0.0184	0.0805				
Recovered Oil	0.0000	0.0001					0.0000	0.0001
Hydrogen peroxide	0.0003	0.0013	0.0003	0.0013				
Hydrogen sulfide	0.0034	0.0147			0.0034	0.0147		
Sodium Hydrosulfide	0.0002	0.0008					0.0002	0.0008
Total	0.0222	0.0974						

Total is multiplied by liquid weight fraction
365 days in service

Monitoring is performed in accordance with TCEQ AVO.

SOCMI Factors	Valves	Flanges	G/V Viv	G/V Fing	Pumps	Relief Viv	Agitator
Light Liquid (LL)	0.0035	0.0005	--	--	0.0386	--	0.0005
Gas / Vapor (G/V)	--	--	0.0089	0.0029	--	0.2293	--
Heavy Liquid (HL)	0.0007	0.00007	--	--	0.0161	--	0.00007
LL, G/V - Efficiency (%)	97	97	97	97	93	97	97
HL - Efficiency (%)	0	0	30	30	0	0	0

* Per TCEQ guidance, fugitive emissions are not estimated for materials with vapor pressure < 0.002 psia.

ATTACHMENT B
MODELING IMPACTS
SCREEN3 MODEL RUNS

PORT ARTHUR CHEMICAL AND ENVIRONMENTAL SERVICES, LLC
MODELING IMPACTS

EPN PA1 : Process Building East End					Maximum Off-Property Nearest Receptor		10,970 ug/m3 9,053 ug/m3	105 ft 141 ft
					Maximum Off-Property Nearest Property Line		6,582 ug/m3 5,432 ug/m3	(using 0.6 Area Source Adj. Factor) (using 0.6 Area Source Adj. Factor)
Chemical	CAS No.	ESL ug/m3	Emission Rates		Max Off- Property ug/m3	Nearest Receptor ug/m3	Max Off-Property Excedance (No or Yes)	Property Line Excedance (No or Yes)
			lb/hr	g/sec				
Sodium Sulfide	1313-82-2	50	0.0000	0.0000	0.0000	0.0000	No	No
Sodium Carbonate	497-19-8	50	0.0000	0.0000	0.0000	0.0000	No	No
Hydrogen Peroxide	772-84-1	14	0.0152	0.0019	12.6172	10.4123	No	No
Sulfuric Acid	7664-93-9	15	0.0000	0.0000	0.0160	0.0132	No	No
Sodium Hydroxide	1310-73-2	20	0.0000	0.0000	0.0223	0.0184	No	No
Hydrogen Sulfide	7783-06-04	167	0.0034	0.0004	2.7863	2.2994	No	No
Sodium Hydrosulfide	16721-80-5	50	0.0002	0.0000	0.1491	0.1230	No	No
SIB Oil	68511-50-2	1400	0.0184	0.0023	15.2130	12.5546	No	No
Recovered Oil	8012-95-1	50	0.0000	0.0000	0.0040	0.0000	No	No

EPAHO041000228

PORT ARTHUR CHEMICAL AND ENVIRONMENTAL SERVICES, LLC
MODELING IMPACTS

EPN FL1 : Flare East End			Maximum Off-Property Nearest Property Line		1,049 ug/m3 869 ug/m3	250 ft 43 ft		
Chemical	CAS No.	ESL	Emission Rates		Max Off-Property	Nearest Receptor	Max Off-Property Excedance (No or Yes)	Property Line Excedance (No or Yes)
		ug/m3	lb/hr	g/sec	ug/m3	ug/m3		
Sulfur Dioxide	7446-09-5	838	0.1438	0.0181	18.9856	0.0118	No	No
SIB Oil	68511-50-2	1400	0.0496	0.0062	6.5466	0.0041	No	No
Sodium Hydrosulfide	16721-80-5	50	0.0116	0.0015	1.5345	0.0010	No	No
Recovered Oil	8012-95-1	50	0.0015	0.0002	0.1932	0.0001	No	No
Salts	N/A	N/A	0.0138	0.0017	1.8218	0.0011	No	No
Carbon Disulfide	75-15-0	30	0.0078	0.0010	1.0294	0.0006	No	No
Carbonyl Sulfide	463-58-1	8	0.0010	0.0001	0.1354	0.0001	No	No
Diethyl Disulfide	352-93-2	16	0.0146	0.0018	1.9284	0.0012	No	No
Dimethyl Disulfide	N/A	20	0.0386	0.0049	5.0947	0.0032	No	No
Ethyl Isopropyl Disulfide		10	0.0128	0.0016	1.6937	0.0011	No	No
Ethyl Mercaptan	75-08-1	0.80	0.0011	0.0001	0.1400	0.0001	No	No
Ethyl Methyl Disulfide		10	0.0647	0.0081	8.5407	0.0053	No	No
Hydrogen Sulfide	7783-06-04	167	0.0285	0.0036	3.7629	0.0023	No	No
Methyl Isopropyl Disulfide		10	0.0026	0.0003	0.3387	0.0002	No	No
Methyl Mercaptan	74-93-1	2.0	0.0025	0.0003	0.3252	0.0002	No	No
Tert-Butyl Mercaptan	75-66-1	2.3	0.0015	0.0002	0.2032	0.0001	No	No

ESL notes:

For sulfuric acid, 30 TAC 112.41, 15 ug/m3

For sulfur dioxide, 30 TAC 112.3, Jefferson County, ESL is 0.32 ppm or 838.4 ug/m3.

For hydrogen sulfide, 30 TAC 112.31, ESL is 0.12 ppm or 166.8 ug/m3 for industrial areas.

For ethyl/methyl isopropyl disulfide and ethyl methyl disulfide, the disulfide default of 10 ug/m3 is used.

MSS EMISSIONS

EPN FL1 : Flare East End			Maximum Off-Property Nearest Property Line		1,049 ug/m3 869 ug/m3	250 ft 43 ft		
Chemical	CAS No.	ESL	Emission Rates		Max Off-Property	Nearest Receptor	Max Off-Property Excedance (No or Yes)	Property Line Excedance (No or Yes)
		ug/m3	lb/hr	g/sec	ug/m3	ug/m3		
SIB Oil	68511-50-2	1400	0.4346	0.0547	57.3723	0.0356	No	No
Sodium Hydrosulfide	16721-80-5	50	0.2476	0.0312	32.6895	0.0203	No	No

ATTACHMENT C
ANALYTICAL REPORT



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CORE LABORATORIES

CLARK HICKMAN
CES ENVIRONMENTAL SERVICES
4904 GRIGGS RD
HOUSTON, TX 77021

Sample Number: 184168-002
Sample Date: 11/20/08 12:00:00 PM
Date Reported: 11/21/08
Date Received: 11/20/08
Sample ID: Headspace Storage Tank
Description:

Analytical Report

Test	Result	Units	Method	Date	Analyst
Sulfur Speciation -- Gas					
Hydrogen Sulfide	1	ppm v / v	ASTM D-5504	11/21/08	JB
Carbonyl Sulfide	1	ppm v / v			
Methyl Mercaptan	3	ppm v / v			
Ethyl Mercaptan	1	ppm v / v			
Dimethyl Sulfide	< 1	ppm v / v			
Carbon Disulfide	6	ppm v / v			
Isopropyl Mercaptan	< 1	ppm v / v			
Ethylene Sulfide	< 1	ppm v / v			
tert-Butyl Mercaptan	1	ppm v / v			
n-Propyl Mercaptan	< 1	ppm v / v			
Ethyl Methyl Sulfide	< 1	ppm v / v			
Propylene Sulfide	< 1	ppm v / v			
Methyl Isopropyl Sulfide	< 1	ppm v / v			
Isobutyl Mercaptan	< 1	ppm v / v			
Ethyl Sulfide	< 1	ppm v / v			
n-Butyl Mercaptan	< 1	ppm v / v			
Methyl n-Propyl Sulfide	< 1	ppm v / v			
Methyl t-Butyl Sulfide	< 1	ppm v / v			
Dimethyl Disulfide	24	ppm v / v			
Methyl sec-Butyl Sulfide	< 1	ppm v / v			
Ethyl n-Propyl Sulfide	< 1	ppm v / v			
Diisopropyl Sulfide	< 1	ppm v / v			
Ethyl Methyl Disulfide	31	ppm v / v			
Methyl Isopropyl Disulfide	1	ppm v / v			
Diethyl Disulfide	7	ppm v / v			
Propyl Methyl Disulfide	< 1	ppm v / v			
Methyl tert-Butyl Disulfide	< 1	ppm v / v			

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CORE LABORATORIES


CLARK HICKMAN
CES ENVIRONMENTAL SERVICES
4904 GRIGGS RD
HOUSTON, TX 77021

Sample Number: 184168-002
Sample Date: 11/20/08 12:00:00 PM
Date Reported: 11/21/08
Date Received: 11/20/08
Sample ID: Headspace Storage Tank
Description:

Analytical Report

Test	Result	Units	Method	Date	Analyst
Ethyl Isopropyl Disulfide	5	ppm v / v			
Methyl sec-Butyl Disulfide	< 1	ppm v / v			
Ethyl Propyl Disulfide	< 1	ppm v / v			
Isopropyl Disulfide	< 1	ppm v / v			
Isopropyl n-Propyl Disulfide	< 1	ppm v / v			
Ethyl sec-Butyl Disulfide	< 1	ppm v / v			
tris-Methylthio-methane	< 1	ppm v / v			
Benzothiophene	< 1	ppm v / v			
Unidentified Volatile Sulfur	48	ppm v / v			

Approved By: _____


M. Jean Waits
Supervising Chemist

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Table 1(a) Emission Point Summary

Date: January 2009	Permit No.: N/A	Regulated Entity No.: 105156111
Area Name: Port Arthur Chemical & Environmental Services LLC		Customer Reference No.: 603423427

Review of applications and issuance of permits will be expedited by supplying all necessary information requested on this Table.

AIR CONTAMINANT DATA					
1. Emission Point			2. Component or Air Contaminant Name	3. Air Contaminant Emission Rate	
(A) EPN	(B) FIN	(C) NAME		(A) Pound Per Hour	(B) TPY
PA1	PA1	Bldg East	VOC	0.018	0.081
			Non-VOC	0.019	0.168
FL1	FL1	East Flare	NOx	0.383	1.678
			CO	0.765	0.765
			SO2	0.144	0.630
			VOC	1.435	8.643
			Non-VOC	0.254	1.684
			Sulfur Compounds	0.176	0.770
FL1	FL1	East Flare MSS	VOC	0.435	0.0009
			Non-VOC	0.248	0.0005

EPN = Emission Point Number
FIN = Facility Identification Number



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Table 1(a) Emission Point Summary

Date: January 2009	Permit No.: N/A	Regulated Entity No.: 105156111
Area Name: Port Arthur Chemical & Environmental Services, LLC		Customer Reference No.: 603423427

Review of applications and issuance of permits will be expedited by supplying all necessary information requested on this Table.

AIR CONTAMINANT DATA						EMISSION POINT DISCHARGE PARAMETERS							
1. Emission Point			4. UTM COORDINATES OF EMISSION POINT			Source							
						5. Building Height (ft.)	6. Height Above Ground (ft.)	7. Stack Exit Data			8. Fugitives		
(A) EPN	(B) FIN	(C) NAME	Zone	East (Meters)	North (Meters)			(A) Diameter (ft.)	(B) Velocity (fps)	(C) Temperature (°f)	(A) Length (ft.)	(B) Width (ft.)	(C) Axis Degrees
PA1	PA1	Bldg East	15	406960	3300329	N/A	3.5	N/A	N/A	Ambient	110	84	
FL1	FL1	East Flare	15	406981	3300339	30	40	0.333	65.6	1832			

EPN = Emission Point Number FIN = Facility Identification Number

TCEQ - 10153 (Revised 04/08) Table 1(a)

This form is for use by sources subject to air quality permit requirements and may be revised periodically. (APDG 5178 v5)

TABLE 2

MATERIAL BALANCE

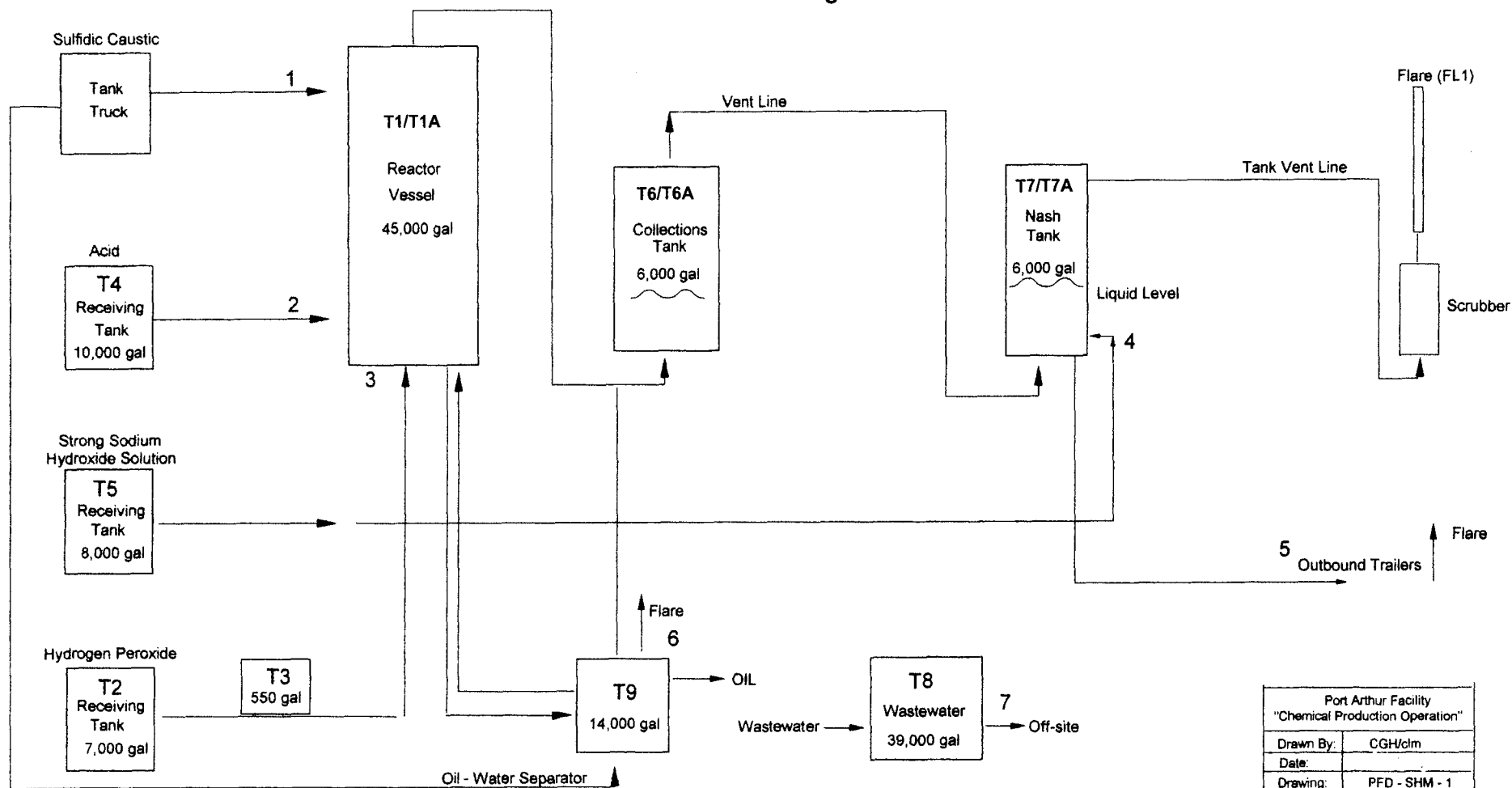
This material balance table is used to quantify possible emissions of air contaminants and special emphasis should be placed on potential air contaminants, for example: If feed contains sulfur, show distribution to all products. Please relate each material (or group of materials) listed to its respective location in the process flow diagram by assigning point numbers (taken from the flow diagram) to each material.

LIST EVERY MATERIAL INVOLVED IN EACH OF THE FOLLOWING GROUPS	Point No. from Flow Diagram	Process Rate (lbs/hr or SCFM) standard conditions: 70°F 14.7 PSIA. Check appropriate column at right for each process.	Measurement	Estimation	Calculation
1. Raw Materials – Input	1	19,460		X	
Sulfidic Caustic	2	2,780		X	
Sulfuric Acid	3	11,120		X	
Hydrogen Peroxide	4	2,780		X	
Sodium Hydroxide					
2. Fuels – Input					
N/A					
3. Products & By-Products – Output	5	11,676		X	
Sodium Hydrosulfide	6	1,168		X	
Sib Oil					
4. Solid Wastes – Output					
N/A					
5. Liquid Wastes – Output	7	15,568		X	
Wastewater					
6. Airborne Waste (Solid) – Output					
N/A					
7. Airborne Wastes (Gaseous) – Output	8	0.38			
Nitrogen Oxides		0.77			
Carbon Monoxide		0.14			
Sulfur Dioxide		0.18			
Sulfur Compounds		1.45			X
Volatile Organics					

FIGURE 2
EQUIPMENT LAYOUT

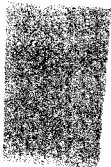
FIGURE 3
PROCESS FLOW DIAGRAM

Port Arthur Chemical Production Operation Process Flow Diagram



Port Arthur Facility "Chemical Production Operation"	
Drawn By:	CGH/clm
Date:	
Drawing:	PFD - SHM - 1

PA - Profiles



FPS
Office 67

Material / Product Approval Letter

Date 1/8/2009

Dear **Randy Woolvine**

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-2282

Expiration Date 7/9/2009

Producer: Citgo Refinery
Address: 4401 LA Hwy 108
Lake Charles, LA 70665

Material / Product Information

Name of Material / Product Sulfidic caustic solution

Container Type: barge

Detailed Description of Process Generating or Producing the Material / Product:

Mercox processing of fuels using caustic to remove sulfides

Color: lt brown to lt red **Odor:** sulfur smell/H₂S smell **pH:** 10.5-12.4

Physical State:

Incompatibilities: MSDS

Safety Related Data/Special Handling:

Normal PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

WBI
JR



CES Environmental
Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

Updated
Need Approved
in system.

#2282-PA

SECTION 1: Material Producer Information

Company : Citgo Refinery
Address : 4401 LA Hwy 108 4401 LA Hwy 108
City, State, Zip : Lake Charles LA 70665
Contact : Randy Woolvine Title : Purchasing Agent
Phone No : (337) 708-6344 Fax : (337) 708-6289
24 / HR Phone :
U.S EPA I.D No : na
State I.D : na SIC Code na

SECTION 2: Billing Information

Company : Citgo Accounts Payable
Address : P. O. Box 4970
City, State, Zip : Houston TX 77210
Contact : Randy Woolvine Title :
Phone No : (337) 708-8274 Fax : (337) 708-6289

SECTION 3: General Description of the Material / Product

Name of Material / Product : Sulfidic caustic solution

Detailed Description of the Process Generating or Producing the Material / Product:

Merox processing of fuels using caustic to remove sulfides

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : lt brown to lt red Odor : sulfur smell/H2S smell
Specific Gravity (Water=1) : 1.03 Density : 8.6-9.2 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☐ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☐ No

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☒ Truck ☒ Other (explain) barge

Container Size : 4500 / 340K

Number Of Units : 2

Proper U.S. DOT Shipping Name : Sodium Hydroxide Solution

Class : 8 UN/NA : UN1824 PG : II RQ : na

Flash Point na	pH 10.5-12.4	Reactive Sulfides na mg/l	Reactive Cyanides na mg/l	Solids 0 %
Oil and Grease na mg/l	TOC na mg/l	Zinc na mg/l	Copper na mg/l	Nickel na mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
Water		88-97	%
Sodium hydroxide		3-12	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

Normal PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

MSDS

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : 7/9/2007

Printed Name / Title : n/a - Product /

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : 
Prabhakar Thangudu

Process Facility Information :

Please check with Clark Hickman

Date : 7/9/2007 Status : ☒ Approved ☐ Rejected

Approval Number : PA-2282



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 8/22/2007

Dear Orval W Lewis

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2301

Generator: Targa Midstream Services LP

Address: 10319 Hwy 146 North
Mont Belvieu, TX 77580

Waste Information

Name of Waste: Spent sodium hydroxide solution (from CBF unit)

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

A UOP Merox treating system for treating light mercaptans in the raw liquefied petroleum gas stream

Color: dark

Odor: strong

pH: 12

Physical State:

Incompatibilities: acids

Safety Related Data/Special Handling:

standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO041000244



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Targa Midstream Services LP
Address: 10319 Hwy 146 North
City, State, Zip: Mont Belvieu, TX 77580
Contact: Orval Lewis Title: Technician
Phone No: 281-385-3215 Fax No: 281-385-3188
24/hr Phone: 281-732-7595
U.S. EPA I.D. No: TXD0980625974
State I.D. RRGEN SIC Code: NA

SECTION 2: Billing Information - ☐ Same as Above

Company: Targa Midstream Services LP
Address: PO Box 10
City, State, Zip: Mont Belvieu, TX 77580
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Waste

Name of Waste: Spent Sodium Hydroxide Solution (from CBF Unit)

Detailed Description of Process Generating Waste: a UOP Merox Treating system for treating light mercaptans in the raw liquefied petroleum gas stream

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: dark

Odor: strong

Specific Gravity (water=1): 1.11

Density: 9.3 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: 5000gal

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 2 Other: _____

Texas State Waste Code No: Recyclable Material

Proper U.S. DOT Shipping Name: Sodium Hydroxide Solution

Class: 8 UN/NA: UN 1824 PG: II RQ: NA

Flash Point >150	pH 12	Reactive Sulfides 0mg/l	Reactive Cyanides 0mg/l	Solids <1%
Oil & Grease 0mg/l	TOC 0mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Sodium Hydroxide Solution		98-100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.
none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
acids

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X
TCLP Volatiles: X
TCLP Semi-Volatiles: X
Reactivity: X
Corrosivity: X
Ignitability: X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Orval Lewis

Date: 8/20/07

Printed Name/Title: Orval Lewis

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Rabban Thayer

Date: 8-22-07

Approved (Signature)

Rejected

Approval Number: 2301

Process Facility Information: **Sample EVERY load** Create inbound load report - determine:

% Caustic, check density, check pH (should be around 12), make sure there are NO solids or oil & grease

4.52/gal

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536

Phone: (281)-476-4534 Fax: (281)-476-4406

CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

Phone: (713) 676-1460
Fax: (713) 676-1676

Attn: **Dana Carter**

- CERTIFICATE OF RESULTS -

MES Lab#: 7060698

Client Sample ID: Caustic

Extended ID: Targa

Sample Collect Date: 6/22/2007 @ 5:20:00 PM

Sample Type: Grab

Sample Receipt Date: 6/25/2007 @ 3:17:00 PM

Test Group / Method

Alkalinity Titrimetric P M OH

Method: SM 2320B

MDL

Result

Units

Analyst: ASB

Date / Time

Hydroxide Alkalinity as CaCO3

1

1520

mg/L CaCO3

7/10/2007 / 9:00 AM

Total Recoverable Metals (RCRA)

Method: SW-846 6010B

MDL

Result

Units

Analyst: AM

Date / Time

Sodium

0.040

13000

mg/L

7/16/2007 / 10:59 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit



Holland D. Gilmore, Laboratory Director

Tuesday, July 17, 2007

Date

7060698

MERCURY ENVIRONMENTAL SERVICES
QA/QC REPORT

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC
Sodium	< 0.029	97.6	97.8	0.20	< 0.029	95.0

ANALYTE	MB mg/L	ORIG mg/L	DUP mg/L	STD %REC
Alkalinity	< 1	1519	1301	106

Key to QA Abbreviations

MS=Matrix Spike
MSD=Matrix Spike Duplicate
RPD=Relative Percent Deviation
MB=Method Blank
LCS=Laboratory Control Standard
CCV=Continuing Calibration Verification
CCB=Continuing Calibration Blank
%Rec=Percent Recovery

Signature: 

Holland D. Gilmore / Laboratory Director

July 17, 2007

Mercury Environmental Services, Inc.

EPAHO041000250

1 COMPANY NAME: (BILL TO) CES Environmental Services
 COMPANY ADDRESS: 4904 Griggs Road
 CITY Houston STATE TX ZIP 77021
 CONTACT PERSON'S NAME: Dana Carter
 CONTACT PERSON'S PHONE: 713-748-9804 FAX #: 713-676-1676

2 YOUR PROJECT NO.: Targa YOUR P.O. #: Caustic YOUR PROJECT NAME:
 PROJECT ADDRESS:

YOUR SAMPLE DESCRIPTION	GRAB/COMP.	DATE	TIME	MATRIX
Caustic	Grab	6/12	520p	

6 PERSON TAKING SAMPLE SIGNATURE (a. - Print Name & b. - Sign.):
 a. Dana Carter b. Dana Carter

7 RELINQUISHED BY: (Signature) Dana Carter DATE 6/25 TIME 3:17p
 RECEIVED BY: (Signature) Dana Carter DATE 6/25 TIME 3:17p

METHOD OF PAYMENT: SHIPPED BY: (Signature) COURIER (Signature) RECEIVED FOR MES BY: (Signature) DATE TIME

8 Sample Remainder Disposal
☐ Return Sample Remainder To Client Via (Signature) (Date)

MES

- CHAIN OF CUSTODY

1-800-771-4MES

(281) 476-4534

Mercury Environmental Services
 6913 Hwy. 225 • Deer Park, TX 77536

Fax (281)-476-4406

PARAMETERS FOR ANALYSIS

5 REMARKS

TURNAROUND TIME

StdDETECTION LIMITS
SPECIAL LIMITS REQUIRED

Yes No

Please circle one, if Yes,
 please describe below
 or include separate
 sheet detailing
 requirements.

OniceH2O5°C

WHITE & CANARY - Shipped with Sample

PINK - Retained by Customer

WHITE - Returned with Report

Material / Product Approval Letter

Date 2/21/2008

Dear

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2433

Expiration Date 2/21/2010

Producer: CES Environmental Services, Inc.

Address: 4904 Griggs Rd
Houston, TX 77021

Material / Product Information

Name of Material / Product Spent caustic (KOH - Potassium Hydroxide), high c

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Material received from customers

Color: Varies

Odor: Sulfur

pH: >12.5

Physical State:

Incompatibilities: Strong acids

Safety Related Data/Special Handling:

std PPE (safety glasses, che suit, gloves, goggles)

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Material Producer Information

Company : CES Environmental Services, Inc.
Address : 4904 Griggs Rd 4904 Griggs Road
City, State, Zip : Houston TX 77021
Contact : Matt Bowman Title :
Phone No : (713) 676-1460 Fax :
24 / HR Phone :
U.S EPA I.D No : TXD008950461
State I.D : 30900 SIC Code

SECTION 2: Billing Information

Company : CES Environmental Services, Inc.
Address : 4904 Griggs Rd 4904 Griggs Road
City, State, Zip : Houston TX 77021
Contact : Title :
Phone No : (713) 676-1460 Fax :

SECTION 3: General Description of the Material / Product

Name of Mateiral / Product : Spent caustic (KOH - Potassium Hydroxide), high concentration

Detailed Description of the Process Generating or Producing the Material / Product:

Material received from customers

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : Varies Odor : Sulfur

Specific Gravity (Water=1) : 1.2-1.3 Density : 8.5-9.5 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size : 5000

Number Of Units : 1

Proper U.S. DOT Shipping Name : UN1760, Corrosive liquids, n.o.s., 8, PG II (Potassium Hydroxide)

Class : 8 UN/NA : UN1760 PG : II RQ : 1000

Flash Point na	pH >12.5	Reactive Sulfides mg/l	Reactive Cyanides mg/l	Solids <0.5 %
Oil and Grease na mg/l	TOC na mg/l	Zinc na mg/l	Copper na mg/l	Nickel na mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
Potassium hydroxide		20-45	%
water		55-80	%
Potassium carbonate		0-2	%
Potassium chloride		0-2	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

std PPE (safety glasses, che suit, gloves, goggles)

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Strong acids

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : N/A Date : 2/20/2008

Printed Name / Title : Gary Lenertz /

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information :

Compliance Officer : Prabhakar Thangudu

Date : 2/21/2008

Status :

Approved

Rejected

Approval Number :

2433

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

CES charge \$600.00 in FRT

2. Contamination Limits (maximum limit before surcharges apply):

MAX 0.5% Solids
MAX Screen Hydrocarbons

3. Surcharge Pricing:

NA

4. Special Testing Requirements:

SG, % NaOH (X convert to % KOH)
% Solids, visual

5. Treatment and Handling Protocol:

Keep Splitter 1 & Splitter 2 crusts separate until alternate
use is approved by director of sales

6. Treated Wastewater Discharge Subcategory: NA

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C

7. Tests for Product Recovered/Recycled (if applicable):**8. Management for Product Recovered/Recycled (if applicable):**

Material Safety Data Sheet

WEAK CAUSTIC SOLUTION – S1

SECTION 1	– Chemical Product and Company Identification
SECTION 2	– Composition, Information on Ingredients
SECTION 3	– Hazards Identification
SECTION 4	– First Aid Measures
SECTION 5	– Fire Fighting Measures
SECTION 6	– Accidental Release Measures
SECTION 7	– Handling and Storage
SECTION 8	– Exposure Controls and Personal Protection
SECTION 9	– Physical and Chemical Properties
SECTION 10	– Stability and Reactivity
SECTION 11	– Toxicological Information
SECTION 12	– Ecological Information
SECTION 13	– Disposal Considerations
SECTION 14	– Transport Information
SECTION 15	– Regulatory Information
SECTION 16	– Other Information

SECTION 1 – CHEMICAL PRODUCT and COMPANY IDENTIFICATION

1.1	Product Name	Weak Caustic Solution
	Chemical Family	Inorganic Salt Solution
	Plant Source	Splitter I Unit
	Formula	NA (mixture)
1.2	Manufacturer	Enterprise Products Operating LP 10207 FM 1942 Mont Belvieu TX 77580 281-385-4200
1.3	Emergency Contact	Matt Bowman 713-826-1329 CHEMTREC 800-424-9300

SECTION 2 – COMPOSITION and INFORMATION ON INGREDIENTS

2.1 Chemical Ingredients (% by wt)

<u>Typical Analysis</u>			
Sodium Sulfide (Na ₂ S)	CAS#: 1313-82-2	0 – 1%	
Sodium Hydroxide (NaOH)	CAS#: 1310-73-2	0 – 15%	Typical 6 to 7%
Sodium Chloride	CAS# 7647-14-50	0 – 7%	
Sodium Carbonate (Na ₂ CO ₃)	CAS#: 497-19-8	0 – 4%	
Potassium Hydroxide (KOH)	CAS# 1310-58-3	0 – 10%	
Water		remaining %	

FOR ADDITIONAL INFORMATION SEE SECTION 9

SECTION 3 – HAZARDS IDENTIFICATION

NFPA: Health – 3

Flammability – 0

Reactivity – 1

EMERGENCY OVERVIEW

Warning: Solution is highly alkaline.

May evolve small amounts of hydrogen sulfide, a highly toxic gas.

EYE contact will cause marked eye irritation and possible corneal damage.

SKIN contact will result in irritation and possible corrosion of the skin.

INGESTION will irritate and burn the mouth, throat and the gastrointestinal tract; contact with stomach acid will cause hydrogen sulfide vapors to be released.

HEATING or **ACID** contact will cause hydrogen sulfide gas to evolve.

3.1 POTENTIAL HEALTH EFFECTS

EYE: Contact with the eyes will cause marked eye irritation and possibly severe corneal damage.

SKIN CONTACT: Contact with the skin will cause skin irritation or a burning sensation. Prolonged contact will result in corrosion of the skin.

SKIN ABSORPTION: Absorption is unlikely to occur.

INGESTION: Ingestion will result in severe burning and corrosion of mouth, throat and the gastrointestinal tract. If the ingested material contacts stomach acid, highly toxic hydrogen sulfide gas will be evolved.

INHALATION: Product solution and vapors contain some highly toxic hydrogen sulfide gas. Exposure to this gas causes headaches, nausea, dizziness and vomiting. Continued exposure can lead to loss of consciousness and death.

CHRONIC EFFECTS – CARCINOGENICITY: Not listed as a carcinogen by NTP, IARC or OSHA.

SECTION 4 – FIRST AID MEASURES

4.1 EYES: Immediately flush with large quantities of water for 15 minutes. Hold eyelids apart during irrigation to insure thorough flushing of the entire area of the eye. Obtain immediate medication.

4.2 SKIN: Immediately flush with large quantities of water. Remove contaminated clothing under a safety shower. Obtain immediate medical attention.

4.3 INGESTION: DO NOT INDUCE VOMITING. If victim is conscious, immediately give 2 to 4 glasses of water. If vomiting does occur, repeat fluid administration. Obtain immediate medical attention.

4.4 INHALATION: Remove victim from contaminated atmosphere. If breathing is labored, administer oxygen. If breathing has ceased, clear airway and start mouth to mouth resuscitation. If heart has stopped beating, external heart massage should be applied. Obtain immediate medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

FLASH POINT: Not Flammable

METHOD USED: NA

5.2 FLAMMABLE LIMITS: Hydrogen Sulfide LFL: 4% UFL: 44%

5.3 EXTINGUISHING MEDIA: Water spray or foam or as appropriate for combustion involved in fire.

5.4 FIRE and EXPLOSIVE HAZARDS: Solution is non-flammable. However if these solutions are exposed to heat or acids, hydrogen sulfide will be released and may form explosive mixtures with air (see above). Keep containers and/or storage vessels in fire area cooled with water spray. Heating may cause the release of hydrogen sulfide vapors.

5.5 FIRE FIGHTING EQUIPMENT: Because of the possible presence of toxic gases and the corrosive nature of the product, wear self-contained breathing apparatus, positive pressure, MSHA / NIOSH (approved or equivalent) and full protective gear.

SECTION 6 – ACCIDENTIAL RELEASE MEASURES

6.1 SMALL RELEASES: Isolate for 75 feet. Confine area to qualified response personnel. Wear proper Personnel Protective equipment (See Section 8). Confine release material by berming or diverting its path Absorb on sand, earth or other inert dry absorbent. Do not allow into sewer, storm drains or any waterway. Oxidize residual reactive sulfides with a weak (3-5%) hydrogen peroxide solution to stop the release of toxic hydrogen sulfide. Remove contaminated soil and dispose of in accordance with all governmental regulations.

6.2 LARGE RELEASES: Activate Emergency Response Plan procedures. Isolate release area for 500 feet. Confine area to qualified response personnel. Wear proper Personnel Protective Equipment (See Section 8). Shut off release, if safe to do so. Dike spill area to prevent runoff into sewers, drains (potential toxic and explosive mixtures of hydrogen sulfide in confined spaces) or surface waterways (potential aquatic toxicity). Recover as much of the solution as possible. Treat remaining material as a small release (See 6.1).

SECTION 7 – HANDLING and STORAGE

7.1 HANDLING: Wear proper protective equipment (See Section 8). Avoid breathing product vapors. Avoid contact with skin and eyes. Use only in a well ventilated area. Dilute product only in enclosed containers. Wash thoroughly after handling.

7.2 STORAGE: Store in well ventilated areas. Do not store combustibles in the area of storage vessels. Keep away from any sources of heat or flame. Store tote and smaller containers out of direct sunlight at moderate temperatures [<80 F (27 C)]. (See Section 10.4 for materials of construction)

SECTION 8 – EXPOSURE CONTROLS and PERSONAL PROTECTION

8.1 **RESPIRATORY PROTECTION:** If working near open container or storage vessel opening or open tank truck dome cover and, the concentration of sodium sulfide is greater than 500 ppm have available self-contained breathing apparatus, positive pressure, MSHA / NIOSH (approved or equivalent). For concentrations of sodium sulfide below 500 ppm, this does not require the use of a self-contained breathing apparatus. For concentrations below 500 ppm one should have available a respirator with a cartridge rated for hydrogen sulfide.

8.2 **SKIN PROTECTION:** Neoprene rubber gloves, chemical suit and boots should be worn to prevent contact with the liquid. Wash contaminated clothing prior to reuse. Contaminated leather shoes cannot be cleaned and should be discarded.

8.3 **EYE PROTECTION:** Chemical goggles and a full face shield.

8.4 EXPOSURE GUIDELINES:	OSHA	ACGIH
	<u>TWA</u> <u>STEL</u>	<u>TLV</u> <u>STEL</u>
Hydrogen Sulfide	20 ppm (ceiling)	10 ppm (ceiling)

8.5 **ENGINEERING CONTROLS:** Use adequate exhaust ventilation to prevent inhalation of product vapors. Where feasible scrub process or storage vessel vapors with caustic solution. Maintain eye wash safety shower in areas where chemical is handled.

SECTION 9 – PHYSICAL and CHEMICAL PROPERTIES

9.1 **APPEARANCE:**

9.2 **ODOR:** Hydrocarbon (mercaptan), possibly hydrogen sulfide (rotten egg) odor.
Sulfides – Less than 100 ppm (Typical 10 to 50 ppm)

9.3 **BOILING POINT:** Not Determined

9.4 **TOC:** Typical 15,000 to 30,000 ppm

9.5 **OIL and Grease:** Typical 20 to 40 ppm

9.6 **VAPOR DENSITY:** (Air = 1.0) 1.17

9.7 **SOLUBILITY IN WATER:** Complete

9.8 **SPECIFIC GRAVITY:** 1.03 – 1.3 (8.59 – 10.83 lbs/gal)

9.9 **pH :** 11.5 – 13.5

9.10 **CHLORIDES:** Less than 60,000 ppm

SECTION 10 – STABILITY and REACTIVITY

10.1 **STABILITY:** This is a stable material.

10.2 **HAZARDOUS POLYMERIZATION:** Will not occur.

10.3 HAZARDOUS DECOMPOSITION PRODUCTS: Heating product will evolve H₂S gas. fire conditions will cause the production of sulfur dioxide. Hydrogen sulfide (4 – 44%) may form flammable mixtures with air.

10.4 INCOMPATIBILITY: Acids will cause the release of highly toxic hydrogen sulfide. Sulfidic caustic solution is not compatible with copper, zinc, aluminum or their alloys (i.e. bronze, brass, galvanized metals, etc.). Corrosive to steel above 150 F (65.5 C). These materials of

SECTION 10 – STABILITY and REACTIVITY (Continued)

construction should not be used in handling systems or storage containers for this product.
(See Section 7.2 Storage)

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 ORAL: Data not available.

11.2 DERMAL: Data not available.

11.3 INHALATION: INH-RAT LC 50: 444 ppm (hydrogen sulfide)

11.4 CHRONIC and CARCINOGENICITY: No evidence available.

11.5 TERATOLOGY: Data not available.

11.6 REPRODUCTION: Data not available.

11.7 MUTAGENICITY: Data not available.

SECTION 12 – ECOLOGICAL INFORMATION

None Available

SECTION 13 – DISPOSAL CONSIDERATIONS

If released to the environment for other than its intended purpose, this product contains some reactive sulfides but not a sufficient quantity to meet the definition of a D003, hazardous waste. The pH may be high enough to meet the definition of a corrosive waste, D002.

SECTION 14 – TRANSPORT INFORMATION

14.1 DOT SHIPPING NAME: Corrosive liquids, n.o.s.

14.2 DOT HAZARD CLASS: 8

14.3 UN/NA NUMBER: UN1760

14.4 PACKING GROUP: II

14.5 DOT PLACARD: Corrosive

14.6 DOT LABEL(s): Corrosive

14.7 IMO SHIPPING NAME: Sodium Hydroxide Solution

14.8 RQ (REPORTABLE QUANTITY): 1,000 lbs (454 Kg) 100% basis (Approx. 538 gals)

14.9 USCG BARGE CERTIFICATION: SSH (sodium sulfide, hydrosulfide solutions, H₂S 15 ppm or less). SSI (sodium sulfide, hydrosulfide solutions, H₂S greater than 15 ppm but less than 200 ppm).

SECTION 15 – REGULATORY INFORMATION

15.1 OSHA: This product is listed as a hazardous material under criteria of the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200.

15.2 SARA TITLE III. a. EHS (Extremely Hazardous Substance) List:

b. Sections 311 and 312 (Tier I, II) Categories:

Immediate (acute)	Yes
Fire	No
Sudden Release	No
Reactivity	Yes
Delayed (chronic)	No

c. Section 313 (Toxic Release Report-Form R): No

d. TPQ (Threshold Planning Quantity): No

15.3 CERCLA and SUPERFUND: RQ (Reportable Quantity) 1,000 lbs

15.4 TSCA (Toxic Substance Control Act) Inventory List: Yes

15.5 RCRA (Resource Conservation and Recovery Act) Status: Yes

15.6 WHMIS (Canada) Hazard Classification: E, D1

15.7 DOT HAZARDOUS MATERIAL: (See Section 14) Yes

15.8 CAA HAZARDOUS AIR POLLUTANT (HAP): No

SECTION 16 – OTHER INFORMATION

REVISIONS: The entire MSDS was reformatted to comply to ANSI Standard Z400.1-1993.

THE INFORMATION PUBLISHED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN COMPILED FROM OUR EXPERIENCE AND OSHA, ANSI, NFPA, DOT, ERG AND CHRIS. IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SUITABILITY OF THIS INFORMATION FOR THE ADOPTION OF NECESSARY SAFETY PRECAUTIONS. WE RESERVE THE RIGHT TO REVISE THE MATERIAL SAFETY DATA SHEET PERIODICALLY AS NEW INFORMATION BECOMES AVAILABLE.



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 10/31/2007

Dear

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2497

Producer: CES Environmental Services, Inc.

Address: 4904 Griggs Rd
Houston, TX 77021

Material / Product Information

Name of Material / Product CES Fuel

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Accumulation of off-spec fuels from various customers

Color: Clear to brown

Odor: Hydrocarbon

pH: na

Physical State:

Incompatibilities: see MSDS

Safety Related Data/Special Handling:

see MSDS

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO041000263



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Material Producer Information

Company : CES Environmental Services, Inc.
Address : 4904 Griggs Rd 4904 Griggs Road
City, State, Zip : Houston TX 77021
Contact : Matt Bowman Title :
Phone No : (713) 676-1460 Fax :
24 / HR Phone :
U.S EPA I.D No : na
State I.D : na SIC Code na

SECTION 2: Billing Information

Company : CES Environmental Services, Inc.
Address : 4904 Griggs Rd 4904 Griggs Road
City, State, Zip : Houston TX 77021
Contact : Title :
Phone No : (713) 676-1460 Fax :

SECTION 3: General Description of the Material / Product

Name of Material / Product : CES Fuel

Detailed Description of the Process Generating or Producing the Material / Product:

Accumulation of off-spec fuels from various customers

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : Clear to brown Odor : Hydrocarbon

Specific Gravity (Water=1) : 0.7-0.9 Density : 7-8 lbs / gal

Layers : ☒ Single-Phase ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size :

Number Of Units :

Proper U.S. DOT Shipping Name : Flammable Liquids, n.o.s., UN 1993, PG II

Class : 3 UN/NA : UN 1993 PG : II RQ : 100

Flash Point <140	pH na	Reactive sulfides 0 mg/L	Reactive cyanides 0 mg/L	Solids 0 %
Oil and Grease na mg/l	TOC na mg/l	Zinc 0 mg/l	Copper 0 mg/l	Nickel 0 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The material / product consists of the following materials	Concentration Ranges are acceptable	Units or %
see attached MSDS		

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
see MSDS

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
see MSDS

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature :

N/A

Date :

11/2/2007

Printed Name / Title : n/a /

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Prabhakar Thangudu

Prabhakar Thangudu

Date :

11/2/2007

Status :

Approved

Rejected

Approval Number :

2497

Special Pricing / Analytical Info:

Analyze for: na, Sp. gr., ash,
BTU, viscosity (should be thin liquid),
suspended particle size, pH (on a 50/50

Recommended Treatment:

mixture of H₂O and sample, must
pass through 250 micron filter.



Profile # _____

☐ BATON ROUGE ☒ HOUSTON ☒ BAYTOWN ☒ HAMMOND ☐ DOMINGUEZ ☐ MARTINEZ**Material Profile Data Sheet**

Sales Person _____

A. General Information

Contact Matt Bowman
Customer Name CES Environmental Services, Inc.
Address 4904 Griggs Road
City Houston
State TX Zip 77021
Phone # 713-676-1460 Fax # 713-676-1676
USEPA ID# _____
E-Mail Address mbowman@cesenvironmental.com

SHIPPING FACILITY

Contact Matt Bowman
Shipper Name CES Environmental Services, Inc.
Address 4904 Griggs Road
City Houston
State TX Zip 77021
Phone # 713-676-1460 Fax # 713-676-1676
USEPA ID# _____
E-Mail Address mbowman@cesenvironmental.com
State Gen. ID No. _____

B. Waste Description Waste Name _____

CES Fuel

Source Code G _____ Form Code W _____ Is a representative sample provided? ☒ Yes ☐ No
Process Description: Accumulation of off-spec fuels

C. General Characteristics

(at 70° F unless otherwise specified)

Color Brown
Odor Solvent
☐ None ☐ Strong
☒ Mild

☒ Liquid 100 %
☐ Solid _____ %
☐ Sludge _____ %

D. Waste Management Methods

PHASES ☒ Most Appropriate Method
☒ Single Layer ☐ Specific Facility Restriction:
☐ Double Layer
☐ Multi-Layer

☐ Wastewater or ☒ Non-Wastewater as defined in 40 CFR 268.2

E. Handling Instructions

If special handling techniques are required, such as spills, fire response, etc.:

Extinguish w/ Carbon Dioxide, Dry Chem., Foam. Use SCBA. Cool surroundings with water spray.**F. RCRA Information**Is this a USEPA hazardous waste? ☐ Yes ☒ NoIs this an acutely hazardous waste (40 CFR 261.31 and 33) ☐ Yes ☒ NoList the USEPA hazardous waste codes, Specify the nature of any D003 waste in section H 1: None

☐ Regulated Medical / Infectious waste
☐ Regulated Subpart CC Waste (VOC's \geq 500 ppm by wt.)
☐ Hazardous Debris (Subject to alternative LDR treatment standards)

☐ CERCLA Regulated (Superfund) Waste
☐ Spent Solvent
☒ Exempt Waste (list reference in 40 CFR)

List any State Waste Codes or other state designations: _____

None**G. Shipping Information**

DOT PROPER SHIPPING DESCRIPTION

Flammable Liquid, N.O.S.Technical N.O.S. descriptions Petroleum Distillates ERG # 128HAZ. CLASS 3 UN or NA ID Number UN11993 Packing Group II RQ 100☒ TRUCK ☐ RAIL**BULK SHIPPING CONTAINERS****CONTAINER TYPE**

Quantity/Size 5000 gal/TT Frequency Weekly

☒ Tanker
☐ Vac. Trailer
☐ Other _____



Profile # _____

KEY SAFETY INFORMATIONPrimary Health Hazard: ☒ Inhalation ☒ Skin Contact ☒ IngestionDo you open dome to sample or load? ☒ Yes ☐ No

How do you minimize vapor exposure? _____

First Aid: _____

Type of Gloves Used:

☐ Nitrile ☐ Neoprene ☐ Rubber ☐ PVC ☐ Butyl ☐ Other _____

Type of Body Protection:

☐ Tyvek coated suit ☐ Saranex Suit ☐ Acid resistant slicker suit ☐ Other: _____

List all:

Chronic Health Hazards _____

Acute Health Hazards _____

REGULATORY INFORMATIONExempted from RCRA? ☒ Yes ☐ No

If exempted from RCRA, indicate basis:

Spent sulfuric acid used to produce virgin sulfuric acid per 40 CFR 261.4(a)(7)

Used as an ingredient to make sulfuric acid per 40 CFR 261.2(e)(1)(i)

(please provide analytical information or justification)

OSHA Chemicals: Please check all that apply and list the concentration ranges

Vinyl chloride monomer (VCM)

 Range _____

Benzene

Acrylonitrile

Formaldehyde

Others

List _____

HANDLING INFORMATIONIs the material soluble in: ☒ Water ☒ Solvent
If solvent, what type? _____Can material pass through a 20 mesh screen? ☒ Yes ☐ No

How do you clear lines?

☐ N₂ ☐ Steam ☐ Solvent ☐ Water ☐ Other _____

Pump Materials?

☐ Carbon Steel ☐ Stainless steel Grade: _____ Other: _____

Pump Seal?

Single, Double, Flush Plan, Face and O-Ring Material: _____

Pipeline Materials?

☐ Carbon Steel ☐ Stainless steel Grade: _____ Other: _____

Storage Container Mat'l's?

☐ Carbon Steel ☐ Stainless steel Grade: _____ Other: _____

Temperature Limits?

Max: _____ Min: _____ Re-Heat Issues: _____

Any compatibility problems? _____

GENERATOR PROFILE CERTIFICATION

I hereby certify that I am an authorized agent of the Generator, and warrant on behalf of the Generator that the information supplied on this form and on any attachments or supplements hereto is complete and accurate, and that all known or suspected hazards of the material(s) described herein have been disclosed.

Matt Bowman (President)

8-2-07

Matt Bowman

Name & Title (Printed or Typed)

Date

Profile # _____

H. (1) Hazardous Characteristics and Other Components-Section must be completed.

<input type="checkbox"/> Fuming/Smoking Waste	<input type="checkbox"/> Water Reactive	<input type="checkbox"/> Acid Reactive	(3)Metals	Total	Total	TCLP	
<input type="checkbox"/> Dioxins & Furans	<input type="checkbox"/> Air Reactive	<input type="checkbox"/> Alkaline Reactive		Minimum	(ppm)	(mg/l)	
<input type="checkbox"/> Ozone Depletion 40 CFR 82	<input type="checkbox"/> Explosive	<input type="checkbox"/> Polymerizable		Detection			
<input type="checkbox"/> Chlorine _____ %	<input type="checkbox"/> Radioactive	<input type="checkbox"/> Inorganic		Limit			
<input type="checkbox"/> Bromine _____ %	<input type="checkbox"/> Biological	<input type="checkbox"/> Aqueous		Arsenic (As)	1.30	ppm	
<input type="checkbox"/> Iodine _____ %	<input type="checkbox"/> Shock Sensitive	<input type="checkbox"/> Peroxides		Thallium (Tl)	1.44	ppm	
<input type="checkbox"/> Fluorine _____ ppm	<input type="checkbox"/> Asbestos	<input checked="" type="checkbox"/> Ignitable		Silver (Ag)	0.20	ppm	
<input type="checkbox"/> Cyanides _____ ppm	<input type="checkbox"/> Affected Benzene Waste			Barium (Ba)	0.005	ppm	
<input type="checkbox"/> Sulfides _____ ppm	<input type="checkbox"/> Controlled Benzene Waste			Beryllium (Be)	0.01	ppm	
<input type="checkbox"/> Phenolics _____ ppm	40 CFR 61 Subpart FF			Chromium (Cr)	0.08	ppm	
<input type="checkbox"/> PCB _____ ppm	<input type="checkbox"/> Oxidizer		Antimony (Sb)	0.85	ppm		
			Lead (Pb)	0.47	ppm		
			Cadmium (Cd)	0.05	ppm		
			Mercury (Hg)	0.01	ppm		
			Selenium (Se)	5.20	ppm		
			Nickel (Ni)	1.01	ppm		
			Cobalt (Co)	0.355	ppm		
			Manganese (Mn)	0.03	ppm		
			Molybdenum (Mo)	0.417	ppm		
			Vanadium (V)	0.091	ppm		
			Zinc (Zn)	0.185	ppm		
			Copper (Cu)	0.526	ppm		
			Chromium (6+)	0.007	ppm		
			Aluminum (Al)	0.05	ppm		
			Titanium (Ti)	0.05	ppm		

Not (2) Physical Characteristics

Apply	Minimum	Maximum	Actual
<input type="checkbox"/> Ash (%)			
<input type="checkbox"/> Phosphate (mg/l)			
<input type="checkbox"/> Potassium (mg/l)			
<input type="checkbox"/> Sodium (mg/l)			
<input type="checkbox"/> Water (%)			
<input type="checkbox"/> Sulfur (%)			
<input checked="" type="checkbox"/> Specific Gravity	0.75	0.85	0.82
<input type="checkbox"/> Viscosity (centipoise)			
<input type="checkbox"/> PH.....constituent			
<input type="checkbox"/> BTUs (1000/lb)			
<input checked="" type="checkbox"/> Flash Point (closed cup°F)	75	100	80

I certify metals are below MDL levels
by knowledge or analytical data

☒ Yes
☐ No

I. (1) Chemical Composition (If actual percentages are not known, use ranges.) Total should be at least 100%.

All Constituents must be specifically identified and physical composition listed separately.(e.g., Toulene, benzene)

UHC		Minimum		Maximum		Avg/Actual		CAS Number
<input type="checkbox"/>	Xylene	1	%	30	-	5	%	106-42-3
<input type="checkbox"/>	Heptane	1	%	30	-	5	%	142-82-5
<input type="checkbox"/>	Hexane	1	%	30	-	5	%	110-54-3
<input type="checkbox"/>	Ethyl Benzene	1	%	30	-	5	%	100-41-4
<input type="checkbox"/>	Toluene	1	%	30	-	5	%	108-88-3
<input type="checkbox"/>	Methanol	1	%	30	-	5	%	67-56-1
<input type="checkbox"/>	Butanol	1	%	30	-	5	%	71-36-3
<input type="checkbox"/>	Propanol	1	%	30	-	5	%	71-23-8
<input type="checkbox"/>	Ethanol	1	%	30	-	5	%	64-17-5
<input type="checkbox"/>	Dimethyl Disulfide	1	%	30	-	5	%	624-92-0

Does the material contain any of the following (Check all that apply)

If Yes, please list component(s) by CAS #

Pesticides (FIFRA) ☐

EPA RMP Regulated ☐

Chlorofluorocarbons ☐

Is this waste stream subject to NSPS / NESHAP ?

☐ Yes ☒ No

If yes, please list which standard



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 1/22/2008

Dear Roy Hebert

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2598

Expiration Date 1/22/2010

Generator: Enterprise Products Operating, L.P. - Port Allen
Address: 2220 North River Rd.
Port Allen, LA 70767

Waste Information

Name of Waste: Spent potassium hydroxide.

TCEQ Waste Code #: OUTS106H

Container Type:

Detailed Description of Process Generating Waste:

Sweetening natural gas liquid before running the mercox process. The natural gas liquid is fractionated to remove C4 and lower. C5 and higher are run through the mercox process.

Color: Dark

Odor: Ammonia

pH: 12-14

Physical State:

Incompatibilities: Acids

Safety Related Data/Special Handling:

Std PPE for high pH materials w/sulfides

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: Enterprise Products Operating, LP - Port Allen
Address: 2220 North River Rd.
City, State, Zip: Port Allen, LA 70767
Contact: Roy Hebert Title: Field Environmental Scientist
Phone No: 225-381-3459 Fax No: 225-381-3476
24/hr Phone: 225-381-3459
U.S. EPA I.D. No: LAR000033100
State I.D. G-121-10915 D0022 SIC Code: NA

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Waste

Name of Waste: Spent Potassium Hydroxide

Detailed Description of Process Generating Waste: Sweetening natural gas liquid before running the mercox process. The natural gas liquid is fractionated to remove C4 and lower. C5 and higher

Physical State: ☒ Liquid ☐ Sludge ☐ Powder are run through the
☐ Solid ☐ Filter Cake ☐ Combination mercox process.

Color: Dark

Odor: Ammonia

Specific Gravity (water=1): 1.203

Density: 10.03 lbs/gal

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: _____ 4000 _____

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 1-2 Other: _____

Texas State Waste Code No: OUTS106 H D002, D004

Proper U.S. DOT Shipping Name: Waste corrosive liquids, n.o.s. (potassium hydroxide)

Class: 8 UN/NA: UN1760 PG: II RQ: 1000

Flash Point >150	pH 12-14	Reactive Sulfides NAmg/l	Reactive Cyanides NAmg/l	Solids 0-2%
Oil & Grease NAmg/l	TOC NAmg/l	Zinc NAmg/l	Copper NAmg/l	Nickel NAmg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The waste consists of the following materials		Ranges are acceptable	or %
Water		75-80	%
Potassium Hydroxide		20-25	%
Carbon		1-2	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

Standard PPE for high pH materials w/ sulfides

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

None

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

~~None Known~~ Acids

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ☒
TCLP Volatiles: ☒
TCLP Semi-Volatiles: ☒
Reactivity: ☒
Corrosivity: ☒
Ignitability: ☒

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above an attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willfi omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materia tested are representative of all materials described by this document.

Authorized Signature: _____

Date: 1-21-08

Printed Name/Title: Rory Hebert/Field Environmental Scientist

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: 1-22-08

Approved

Rejected

Approval Number: _____

2598

OK to mix with De Ridder caustic only! Any hydrocarbons on top of load put into hydrocarbon mixture totes. To QC: Sp Gr., % suspended solids, pH, and a visual for oil and grease (no oil or grease allowed). Also determine the % caustic by either titration to pH 4 or by using Sp. Gr., and the "handy math calculation" - see shared drive. Sulfides must be low. QC - If solids <.75% & caustic >7% (by Sp.Gr.; 5% by titration), load in De Ridder trlr. If there are no De Ridder trlrs, load into De Ridder frac tank. If solids <.75% & caustic >7%, put in RO tank and ~~put in RO tank~~ and ~~higher filter before putting in RO tank~~ ~~press~~ (add for solids >.75% + trucking + FSC.

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

To: Matt Bowman
Cc: Gary Lenertz
From: Miles Root

Date: 01/17/08

Lab Memo: 08-008

Subject: **Enterprise KOH Stream - Sample Evaluation 0108-35**

A sample of potassium hydroxide from Enterprise Products, Port Allen, LA has been evaluated as a potential sale to Deridder. The sample is dark from suspended particulates, but contains no oils by centrifuge. Solids by centrifuge are approximately 1.5 vol%. The sample also has an odor of ammonia. The KOH concentration was determined by titration to pH 7.0 with the MW of 56 used instead of the 40 as used for NaOH samples.

A summary of the test results follows:

Specific Gravity – 1.203 @ 15.5 deg C

KOH – 20.7 wt%

Oil, by centrifuge – none detected

Solids, by centrifuge – 1.5 vol%

Sulfides – present

Ammonia odor present in sample.

As a side note, the CRC Handbook lists the percentage of a pure KOH solution in water as 22.0 wt% with a density of 1.2035 @ 20 deg C, indicating that our testing method is not too far off.

(b) (6)

A large, solid black rectangular box covers the majority of the lower half of the page, indicating that the content has been redacted. The text '(b) (6)' is printed in red at the top left corner of this redacted area.



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 1/25/2008

Dear **Grace Dean**

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2602

Expiration Date 1/25/2010

Producer: Arkema, Inc.

Address: 2231 Haden Road
Houston, TX 77015

Material / Product Information

Name of Material / Product Recyclable caustic soda

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Scrubber process

Color: Clear dark amber

Odor: strong

pH: 14

Physical State:

Incompatibilities: Reacts violently or explosively with water, acids, and organic materials, carbon monoxide can form upon contact with food or beverage products

Safety Related Data/Special Handling:

Where there is a potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment available. Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Avoid breathing

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO041000275

Jan 24 08 09:27a

Grace Dean

7134505801

JAN-23-2008 13:11

CES Environmental Svcs.

7137488664

P.01 P.2

GRP

CES Environmental
Services, Inc.

4904 Griggs Road Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900

JB

SECTION 1: Material Producer Information

Company: Arkema Inc.
Address: 2231 Haden Rd.
City, State, Zip: Houston, TX 77015
Contact: Grace Dean Title: _____
Phone No: (713) 450-6746 Fax No: _____
24/hr Phone: (800) 424 9300
U.S. EPA I.D. No: TXD008950461
State I.D. 30505 SIC Code: NA

SECTION 2: Billing Information - ☐ Same as Above

Company: Arkema Inc.
Address: 2231 Haden Rd.
City, State, Zip: Houston, TX 77015
Contact: Branley Moonyham Title: _____
Phone No: (713) 450-6746 Fax No: _____

SECTION 3: General Description of the Material / ProductName of Material / Product: Recycleable Caustic SodaDetailed Description of Process Generating or Producing the Material / Product: Scrubber process

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Clear dark amberOdor: StrongSpecific Gravity (water=1): 1.090Density: 9.08 lbs/galLayers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: _____ 5000 gal

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 2-3 Other: _____

Proper U.S. DOT Shipping Name:

Product
UN 2924, Flammable Liquid, Corrosive, n.o.s., 3, PG IIClass: 3

UN/NA:

UN 2924PG: PG II

RQ:

NaOH 1000#

Flash Point 70 F → 150 F	pH 14	N/A	N/A	Solids 1%
Oil & Grease 0mg/l	TOC 15000mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

EPAHO041000276

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
Carbon Disulfide		<1	%
Sodium Hydroxide		10-15	%
Water		85-90	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

Where there is a potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment available.

Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Avoid breathing vapor or mist.

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Reacts violently or explosively with water, acids and organic materials. carbon monoxide can form upon contact with food or beverage products.

SECTION 8: Material Producer's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Terry Freeman

Date: 1-24-08

Printed Name/Title: TERRY FREEMAN / SITE MANAGER

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Technical Manager: Robert Boyd

Date: 1-25-08

Approved

Rejected

Approval Number: 2602

Process Facility Information:

\$1.54/gal FSC 20%

TRANS \$ 400/load

Overage \$ 70/hr



1 PRODUCT AND COMPANY IDENTIFICATION

Thio and Fine Chemicals

Arkema Inc.
2000 Market Street
Philadelphia, PA 19103

EMERGENCY PHONE NUMBERS:

Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887
Medical: Rocky Mountain Poison Control Center
(866) 767-5089 (24Hrs)

Information Telephone Numbers

Phone Number

Available Hrs

Customer Service

1-800-628-4453

8:30 to 5:30 EST

Product Name Caustic Soda, Shipment Grade
Product Synonym(s)

Chemical Family Alkali
Chemical Formula NaOH
Chemical Name Sodium Hydroxide
EPA Reg Num
Product Use

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS RegistryNumber	Typical %	OSHA
Carbon disulfide	75-15-0	<0.1%	Y
Sodium hydroxide	1310-73-2	10-15%	Y
Water	7732-18-5	85-90%	N

The substance(s) marked with a "Y" in the OSHA column, are identified as hazardous chemicals according to the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200)

This material is classified as hazardous under Federal OSHA regulation.

The components of this product are all on the TSCA Inventory list.

3 HAZARDS IDENTIFICATION

Emergency Overview

Orange slightly turbid liquid with foul odor.

DANGER!

FLAMMABLE LIQUID AND VAPOR.

CAUSES EYE, SKIN AND RESPIRATORY TRACT BURNS. MAY CAUSE BLINDNESS.

CAUSES SEVERE DIGESTIVE TRACT BURNS.

EVEN DILUTE SOLUTIONS MAY CAUSE BURNS.

Potential Health Effects

Inhalation and skin contact are expected to be the primary routes of occupational exposure to this material. This material is a strong alkali that can be destructive to tissue producing severe burns which are not immediately painful or visible. Contact with body tissues may produce deep ulceration, scarring or loss of sight. Concentrations as low as 2-3% can cause injury. Dermatitis (inflammation of the skin) and superficial skin damage can result from repeated or prolonged contact with very dilute solutions. High levels of dust or mist may be corrosive to mucous membranes producing eye or lung injury and chemical pneumonia. Lower concentrations may produce irritation of eyes, nose or upper respiratory tract with coughing, sore throat and shortness of breath. Prolonged exposure may result in ulceration of the nasal passages. If swallowed, this material may cause severe internal injury, characterized by pain in the mouth



Arkema Inc.

and stomach, vomiting, and breathing difficulties. Medical conditions which may be aggravated by exposure to this material include lung disease or limited respiratory capacity.

4 FIRST AID MEASURES

IF IN EYES, immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately.

IF ON SKIN, immediately flush with plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Destroy contaminated shoes.

IF SWALLOWED, do NOT induce vomiting. Give water to drink. Get medical attention immediately. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

IF INHALED, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

5 FIRE FIGHTING MEASURES

Fire and Explosive Properties

Auto-Ignition Temperature	NE	
Flash Point	70 F - >150 F	Flash Point Method
Flammable Limits- Upper	NE	
Lower	NE	

Extinguishing Media

Use water spray, carbon dioxide, foam or dry chemical.

Fire Fighting Instructions

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand NIOSH approved or equivalent). Fire fighting equipment should be thoroughly decontaminated after use.

Fire and Explosion Hazards

Contact with metal can form hydrogen gas. Hydrogen is extremely flammable and can form explosive mixtures with air. Closed containers may explode when heated or contents contaminated with water.

6 ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Stop the leak, if possible. Ventilate the space involved. Contain, vacuum up, place in non-sparking container for disposal. Prevent waterway contamination. Construct a dike to prevent spreading. Collect run-off and transfer to drums or tanks for later disposal. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

7 HANDLING AND STORAGE

Handling

Do not get in eyes, on skin or clothing. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. To avoid rapid temperature rise, violent spattering, or explosive eruptions: always add caustic to water when mixing. Never add water to a caustic when mixing. Heat water to 80-100 F before adding product. Add small amounts of product slowly and evenly over surface of water with constant stirring. Never increase concentration of product by more than 5% with any single

7 HANDLING AND STORAGE

addition. Water should not exceed 160 F during addition.

Storage

Do NOT store near strong acids.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Investigate engineering techniques to reduce exposures below airborne exposure limits. Provide ventilation if necessary to control exposure levels below airborne exposure limits (see below). If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems. Monitor carbon monoxide and oxygen levels in tanks and enclosed spaces.

Eye / Face Protection

Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment immediately available.

Skin Protection

Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine appropriate type glove material for given application. Wear face shield and chemical resistant clothing such as a rubber apron when splashing may occur. Rinse contaminated skin promptly. Wash contaminated clothing and clean protective equipment before reuse. Wash skin thoroughly after handling.

Respiratory Protection

Avoid breathing vapor or mist. When airborne exposure limits are exceeded (see below), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

Airborne Exposure Guidelines for Ingredients

Exposure Limit		Value
Sodium hydroxide		
ACGIH CEILING	-	2 mg/m3
OSHA TWA PEL	-	2 mg/m3
Carbon disulfide		
ACGIH Skin designator	-	Y
ACGIH TWA	-	1 ppm
OSHA Ceiling PEL	-	30 ppm
OSHA TWA PEL	-	20 ppm

-Only those components with exposure limits are printed in this section.

-Skin contact limits designated with a "Y" above have skin contact effect. Air sampling alone is insufficient to accurately quantitate exposure. Measures to prevent significant cutaneous absorption may be required.

-ACGIH Sensitizer designator with a value of "Y" above means that exposure to this material may cause allergic reactions.

-WEEL-AIHA Sensitizer designator with a value of "Y" above means that exposure to this material may cause allergic skin reactions.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor	Orange slightly turbid liquid with foul odor.
pH	NE
Specific Gravity	1.073 @ 15 C
Vapor Pressure	30 @ 100 F
Vapor Density	NA
Melting Point	NA
Freezing Point	NE
Boiling Point	NE
Solubility In Water	99.98%

10 STABILITY AND REACTIVITY**Stability**

This material is chemically stable under normal and anticipated storage and handling conditions.

Incompatibility

Reacts violently or explosively with water, acids and organic materials such as chlorinated hydrocarbons. Toxic carbon monoxide gas can form upon contact with food or beverage products.

Hazardous Decomposition Products

Will react with some metals such as aluminum, tin or zinc to generate hydrogen gas. Hydrogen gas can result in explosive hazards in confined spaces.

11 TOXICOLOGICAL INFORMATION**Toxicological Information**

Data on this material and/or its components are summarized below.

Sodium Hydroxide

Single exposure (acute) studies indicate that this material is slightly toxic if absorbed through the skin (rat LD50 1,350 mg/kg; dry sodium hydroxide) and corrosive to rabbit eyes and skin. Many publications in the scientific literature confirm that this material is corrosive to all tissues. Repeated inhalation resulted in lung damage in rats. No tumors were seen in long-term animal studies. No genetic changes were observed in tests using bacteria.

No significant increases in mortality in relation to duration or intensity of exposures were reported in an epidemiologic study of a small group of workers exposed to caustic dust for 30 years or more. Massive ingestion of this material has been implicated as causing esophageal cancer. Squamous cell carcinomas of the esophagus occurred approximately 12-42 years later in individuals who survived accidental childhood ingestion and are likely due to the tissue destruction and possible scarring of the esophagus rather than a direct effect of this material.

Carbon Disulfide

Single exposure (acute) studies indicate that this material is slightly toxic to rats if swallowed (LD50 3,188 mg/kg) or rabbits if absorbed through skin (LD50 2,025 mg/kg), practically non-toxic to rats if inhaled (1-hr LC50 40 mg/l), and severely irritating to rabbit skin and eyes. The neurological effects of long-term exposure have been documented in occupational populations who were generally exposed to levels of 20 ppm or more in viscose rayon production. Exposed workers have experienced headaches, nausea, dizziness, tiredness, memory loss, sleep disturbances, irritability and other psychological symptoms in the early stages of intoxication. Long-term exposure has resulted in decreased nerve conduction velocities, memory loss,

11 TOXICOLOGICAL INFORMATION

peripheral neuropathy (numbness) in the lower legs and forearms, tremors, poor coordination and personality disorders. In addition, several studies have shown adverse effects on the heart including increases in atherosclerosis, death from coronary or ischemic heart disease and blood pressure. Other studies have indicated that long-term overexposure can cause adverse effects on the eyes including increased hemorrhages or microaneurysms of the retina. Studies of occupationally exposed workers have suggested that long-term exposure to higher levels may cause reproductive effects. Male workers had decreased libido, reduced sperm count and altered endocrine function and female workers reported menstrual irregularities. Sperm from exposed workers have shown alterations indicative of spermatogenic damage. There is conflicting evidence whether increased pregnancy complications and a higher frequency of spontaneous abortions are related to exposures in female workers.

Animal studies have confirmed neurological effects. Rats exposed for long periods to high levels showed decreased motor conduction velocity, hindlimb motor defects, peripheral nerve swelling and degeneration. Repeated exposure of monkeys has resulted in reduced visual acuity. Following inhalation exposure in male rats, minor reproductive effects such as decreased sperm counts and abnormal mating behavior, but no pathological changes were noted in testes. A two-generation reproduction study in exposed female rats showed no reduction in fertility, but mothers exposed to high dose levels had reduced pup viability. Multiple developmental toxicity studies in rats and rabbits have presented evidence of increased birth defects and embryotoxicity at high dose levels; however, exposures at levels that are not maternally toxic generally do not cause birth defects, although developmental effects have been observed. No genetic changes were observed in tests using bacteria, but have been observed in animal cells.

12 ECOLOGICAL INFORMATION**Ecotoxicological Information**

Data on this material and/or its components are summarized below.

Sodium Hydroxide

Data from several species of fish showed a range of tolerance (brook trout > spotfin and Lake Emerald shiners > minnows > mosquitofish > goldfish) that was most likely related to changes in the pH produced by addition of sodium hydroxide to the water. The minimum lethal concentration for minnows, Mayfly larvae and Daphnia was 100 ppm and for Chironomus larvae, 700 ppm.

Carbon Disulfide

This material is moderately toxic to Daphnia magna (LC50 2.1 mg/l). It is moderately toxic to guppies (LC50 4 mg/l) and slightly toxic to green algae (LC50 21 mg/l). It is practically non-toxic to mosquitofish (LC50 135 mg/l) and bacteria (LC50 341 mg/l).

Chemical Fate Information

Data on this material and/or its components are summarized below.

Sodium Hydroxide

No data were available, but this material is a strong alkali that easily dissolves in water with resulting acid/base chemistry.

13 DISPOSAL CONSIDERATIONS

Waste Disposal

Consult with environmental engineer or professional to determine if neutralization is appropriate and for handling procedures for residual materials. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

14 TRANSPORT INFORMATION

DOT Name	Flammable Liquid, Corrosive, NOS
DOT Technical Name	(Sodium Hydroxide; Carbon Disulfide)
DOT Hazard Class	3, 8
UN Number	UN 2924
DOT Packing Group	PG II
RQ	Sodium Hydroxide 1000# (dry basis); Carbon Disulfide 100#
DOT Special Information	Subsidiary hazard: 8 Corrosive On a waste manifest, add the word "Waste"

15 REGULATORY INFORMATION

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370)

Immediate (Acute) Health	Y	Fire	Y
Delayed (Chronic) Health	N	Reactive	N
		Sudden Release of Pressure	N

The components of this product are all on the TSCA Inventory list.

Ingredient Related Regulatory Information:

SARA Reportable Quantities

	CERCLA RQ	SARA TPQ
Sodium hydroxide	1000 LBS	
Water	NE	
Carbon disulfide	100 LBS	10000 LBS

SARA Title III, Section 313

This product does contain chemical(s) which are defined as toxic chemicals under and subject to the reporting requirements of, Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. See Section 2

Carbon disulfide

SARA Title III, Section 302

This product does contain chemical(s), as indicated below, currently on the Extremely Hazardous Substance List, Section 302, SARA Title III. See Section 2 for further details regarding concentrations and registry numbers.

Carbon disulfide

California Prop 65 - Developmental Toxin

This product does contain the following chemical(s), as indicated below, currently on the California List of Developmental Toxins.

Carbon disulfide

Massachusetts Right to Know

This product does contain the following chemical(s), as indicated below, currently on the Massachusetts Right to Know Substance List.



Massachusetts Right to Know

This product does contain the following chemical(s), as indicated below, currently on the Massachusetts Right to Know Substance List.

Carbon disulfide
Sodium hydroxide

New Jersey Right to Know

This product does contain the following chemical(s), as indicated below, currently on the New Jersey Right-to-Know Substances List.

Carbon disulfide
Sodium hydroxide

Pennsylvania Environmental Hazard

This product does contain the following chemical(s), as indicated below, currently on the Pennsylvania Environmental Hazard List.

Carbon disulfide
Sodium hydroxide

Pennsylvania Right to Know

This product does contain the following chemical(s), as indicated below, currently on the Pennsylvania Hazardous Substance List.

Carbon disulfide
Sodium hydroxide

16 OTHER INFORMATION

Revision Information

Revision Date	23 FEB 2007	Revision Number	6
Supersedes Revision Dated	07-NOV-2006		

Revision Summary

Moved from Retired to Active 03.

Key

NE= Not Established NA= Not Applicable (R) = Registered Trademark

Miscellaneous

NOTE: Toxic carbon monoxide gas can form upon contact with food and beverage products in enclosed spaces and cause death.

Arkema Inc. believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with any other materials or in any process. Further, since the conditions and methods of use are beyond the control of Arkema Inc., Arkema Inc. expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.

TRACK WORK SCHEDULE

Date: 11/5/2007

TRACK #3 (21745)	TRACK #2 (21744)	TRACK #1 (21743)
CAR #	Spot #1 Car # UTLX 901311 Load IP	Spot #1 Car # utlx 901317 unload IP
	NDM 20 MG	ndm
	Lot# Wt.	Lot# Wt.
	Spot #2 Car #	Spot #2 Car # UTLX 901320 load IP
	Lot# Wt.	Lot# Wt.
	Spot #3 Car # GATX 81893	Spot #3 Car # CPCX 206121
	TETRAMER 30 MG	DODECENE 30 MG
	Lot# Wt. 184,954	Lot# Wt. 175,350
	\	Spot #4
	Car #	Car #
	PURGE/REPAIR ONLY	PURGE/REPAIR ONLY
	Lot# Wt.	Lot# Wt.
	Spot #5 Car # _____	Spot #5 Car # _____
	PURGE/REPAIR ONLY	PURGE/REPAIR ONLY
	Lot# Wt.	Lot# Wt.
	Spot #6 Car # _____	Spot #6 Car # _____
	PURGE ONLY	PURGE ONLY
In plant: Control Room: 713-450-5870 or 713-450-5887		LEAD
EMERGENCY CONTACT:		
James Wheeland - Pager: 888-487-5997 / Cell: 713-304-7037		
Grace Dean - Cell: 713-838-5920		

TRACK WORK SCHEDULE

Date: 11/5/2007

TRACK #3 (21745)	TRACK #2 (21744)	TRACK #1 (21743)
CAR #	Spot #1 Car # UTLX 901311 Load IP	Spot #1 Car # utlx 901317 unload IP
	NDM 20 MG	ndm
	Lot# Wt.	Lot# Wt.
	Spot #2 Car #	Spot #2 Car # UTLX 901320 load IP
	Lot# Wt.	Lot# Wt.
	Spot #3 Car # GATX 81893	Spot #3 Car # CPCX 206121
	TETRAMER 30 MG	DODECENE 30 MG
	Lot# Wt. 184,954	Lot# Wt. 175,350
	Car #	Spot #4 Car #
	PURGE/REPAIR ONLY	PURGE/REPAIR ONLY
	Lot# Wt.	Lot# Wt.
	Spot #5 Car # _____ PURGE/REPAIR ONLY	Spot #5 Car # _____ PURGE/REPAIR ONLY
	Lot# Wt.	Lot# Wt.
	Spot #6 Car # _____ PURGE ONLY	Spot #6 Car # _____ PURGE ONLY
In plant: Control Room: 713-450-5870 or 713-450-5887 EMERGENCY CONTACT: James Wheeland - Pager: 888-487-5997 / Cell: 713-304-7037 Grace Dean - Cell: 713-838-5920		LEAD

Waste Pre-Acceptance/Approval Letter

Date **3/11/2008**

Dear **Randy Woolvine**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2641

Expiration Date 3/11/2010

Generator: Citgo Accounts Payable (@) Lake Charles

Address: P. O. Box 600
Lake Charles, LA 70602

Waste Information

Name of Waste: Naphthenic caustic

TCEQ Waste Code #: Product

Container Type: Barge possible

Detailed Description of Process Generating Waste:

Treating of kerosene and jet fuel w/caustic to remove sulfur compounds

Color: Medium dark **Odor:** Characteristic Naphthe **pH:** >12.0

Physical State:

Incompatibilities: Strong acids

Safety Related Data/Special Handling:

PPE, gloves, glasses/goggles

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

treated oil and water
Water must be heated
to remove scrub lights & then
send to Newpark. Phenol too
high for CES.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Material Producer Information

Company: Citgo Petroleum Corporation
Address: P.O. Box 600
City, State, Zip: Lake Charles, LA 70602
Contact: Randy Woolwine Title: Purchasing Agent
Phone No: 337-708-8274 Fax No: 337-708-6289
24/hr Phone: _____
U.S. EPA I.D. No: N/A
State I.D. N/A SIC Code: N/A

SECTION 2: Billing Information - ☐ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Material / Product

Name of Material / Product: Napthenic caustic
Detailed Description of Process Generating or Producing the Material / Product: Treating of kerosene and
jet fuel w/ caustic
to remove sulfur
compounds
Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: med dark Odor: characteristic Napthenic acid

Specific Gravity (water=1): 1.10 Density: 8-9 lbs/gal

Does this material contain any total phenolic compounds? ☒ Yes ☐ No

Does this material contain any para substituted phenolic compounds? ☒ Yes ☐ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☒ Other (explain)
Container Size: _____ Barge Possible

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 3 Other: _____

Proper U.S. DOT Shipping Name: Product
Class: 8 UN/NA: Corrosive liquids N.O.S. (Naphthenic acid salts)
1760 PG: II RQ: 1000

Flash Point <i>N/A</i>	pH <i>> 10.0</i>	N/A	N/A	Solids <i>0 %</i>
Oil & Grease <i>mg/l 5-7%</i>	TOC <i>mg/l N/A</i>	Zinc <i>mg/l N/A</i>	Copper <i>mg/l N/A</i>	Nickel <i>mg/l N/A</i>

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
<i>Sodium hydroxide</i>	<i>2-12</i>	<i>%</i>
<i>Naphthenic acid salts</i>	<i>0-6</i>	<i>%</i>
<i>Petroleum distillates</i>	<i>0-1</i>	<i>%</i>
<i>Mixed carboxylic acid salts</i>	<i>0-2</i>	<i>%</i>
<i>Water</i>	<i>Balance</i>	<i>%</i>

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

PPE, gloves, glasses/goggles

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

N/A

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): *Strong acids*

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: *Randy Woolwine*

Date: *03/05/08*

Printed Name/Title: *RANDY WOOLWINE / PURCHASING AGENT*

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Technical Manager: *Lehman Rhyne*

Date: *3-11-08*

Approved

Rejected

Approval Number: *2641*

CERTIFICATE OF ANALYSIS / 62376.01

1 of 1

Customer: CES Env. Svcs.
 Project ID: Citgo LC
 Project Loc: LC, LA
 Charge/P.O.:

Sample ID: Naphthenic Caustic
 09-28-07
 Matrix: Waste Water
 Type: Grab

Environ ID: 62376.01
 Sampled: 09-28-07
 Received: 10-01-07
 Reported: 10-05-07

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
Caustic As NaOH	1.9	Wt. %	-	0.1	EPA 600.310.1	OLC	10-03-07	07:00
Phenolics	2,790	mg/l	-	0.05	EPA 600.625	LC	10-04-07	10:00
Benzene	1.94	mg/l	-	0.01	SW846.8021B	DMB	10-02-07	16:52
METALS (RCRA) - TCLP					SW846.1311	MN	10-01-07	
Arsenic	0.9	mg/l	5.00	0.2	SW846.6010B	JK	10-03-07	13:20
Barium	0.5	mg/l	100	0.2	SW846.6010B	JK	10-03-07	13:20
Cadmium	< 0.2	mg/l	1.00	0.2	SW846.6010B	JK	10-03-07	13:20
Chromium	< 0.2	mg/l	5.00	0.2	SW846.6010B	JK	10-03-07	13:20
Lead	< 0.2	mg/l	5.00	0.2	SW846.6010B	JK	10-03-07	13:20
Nickel	< 0.2	mg/l	70.00	0.2	SW846.6010B	JK	10-03-07	13:20
Selenium	< 0.2	mg/l	1.00	0.2	SW846.6010B	JK	10-03-07	13:20
Silver	< 0.2	mg/l	5.00	0.2	SW846.6010B	JK	10-03-07	13:20
Zinc	< 0.2	mg/l	-	0.2	SW846.6010B	JK	10-03-07	13:20
Mercury	0.018	mg/l	0.200	0.002	SW846.7470A	MN	10-02-07	12:00

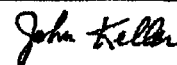
Definitions:

REG - Regulatory Limit (User Should Confirm Units)

MQL - Method Quantitation Limit

PPM - Parts Per Million

mg/l - PPM by Volume, mg/kg - PPM by Weight



John Keller, Ph.D.
 Laboratory Director

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

- Transportation @ \$14 / gal.
- Material management @ \$.41 / gallon

2. Contamination Limits (maximum limit before surcharges apply):

N/A

3. Surcharge Pricing:

N/A

4. Special Testing Requirements:

- Rain treatability as below listed ;

in #5

Test water phase for TSS, pH, phenols 4-4

5. Treatment and Handling Protocol:

- too HIGH Phenols for CES the process
the bottom water must be heated to remove lights; be careful
- Break emulsion by adjusting to a pH of ~~2~~ to at least less than 4.0
 - segregate oil into a dedicated storage tank / tanker on site
 - Be sure to treat phenols in wastewater from the process
 - water will continue to drain / settle out of the product. Be sure to drain water off product storage trailer as it will be corrosive.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☒ Subcategory B

☐ Subcategory C

7. Tests for Product Recovered/Recycled (if applicable):

This material will be sold to European or
Chinese markets → Be sure to drain
water off bottom of trailer

8. Management for Product Recovered/Recycled (if applicable):

This material should be segregated into a dedicated
product storage trailer. Water should continuously be
drained from the trailer. We will ship the material
(via rented ISO) to Europe or China.

Material / Product Approval Letter

Date 3/31/2008

Dear Patricia Hicks

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2674

Expiration Date 3/31/2010

Producer: International Diamond Services

Address: 3420 Pinemont
Houston, TX 77018

Material / Product Information

Name of Material / Product Scrubber caustic solution

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Spent caustic from scrubbers

Color: clear to brown

Odor: pungent

pH: 12-14

Physical State:

Incompatibilities: acids, oxidizers

Safety Related Data/Special Handling:

std PPE (suite)

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

GRP
Need Hazard Waste Codes
this waste is a haz
0002 + 0003
this would have to
be recycle. Call G. Lantry.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Material Producer Information

Company: International Diamond
Address: 3420 Pinemont
City, State, Zip: Houston, TX 77018
Contact: Patricia Hicks Title: _____
Phone No: (713) 681-5485 Fax No: _____
24/hr Phone: _____
U.S. EPA I.D. No: TXR000027573
State I.D. 20710 SIC Code: n/a

SECTION 2: Billing Information – ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Material / Product

Name of Material / Product: Scrubber Caustic Solution

Detailed Description of Process Generating or Producing the Material / Product: spent caustic from scrubbers

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: clear to brown

Odor: pungent

Specific Gravity (water=1): 1.1

Density: 9.2 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: _____ 3-5000g _____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 1 Other: _____

Proper U.S. DOT Shipping Name:

Corrosive liquids, n.o.s., 8, UN1760, PGII (20% caustic)

Class: 8 UN/NA: 1760 PG: II RQ: na

Flash Point ≥160	pH 12-14	N/A	N/A	Solids 0%
Oil&Grease 0mg/l	TOC 0mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
sodium hydrosulfide	0-10	%
sodium hydroxide	10-15	%
water	75-90	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
standard PPE (suit)

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

acids, oxidizers

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: N/A Date: 3/25/08

Printed Name/Title: not required

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Technical Manager: Robert Lloyd

Date: 3-31-08 ☒ Approved ☐ Rejected

Approval Number: 2674

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

\$.405/gal
\$69/hr trans
20% fuel surcharge

2. Contamination Limits (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

Specific Gravity) *no Solids, Sulfides*
% suspended solids
pH
visual for oil and grease (NO OIL/GREASE ALLOWED!!)
Determine % caustic by titration to pH 4 or by using specific gravity and the "Handy Math Calculation" - see shared drive
Sulfides must be low

5. Treatment and Handling Protocol:

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable):

--



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 4/25/2008

Dear Roy Hebert

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2759

Expiration Date 4/25/2010

Producer: Enterprise Products Operating, L.P. - Port Allen

Address: 2220 North River Rd.
Port Allen, LA 70767

Material / Product Information

Name of Material / Product Spent potassium hydroxide (for product recycling)

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Reinery grade propylene flows upward through two layers of KOH briquettes. In the presence of oxygen molecule (provided by the water that is injected) COS is converted in some sort of sulfide which is entrained in the melted KOH that gathers in the bot

Color: Dark

Odor: Ammonia

pH: 12-14

Physical State:

Incompatibilities: Acids

Safety Related Data/Special Handling:

std PPE for high pH materials with sulfides

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO041000298

DC

Needs Sulfides limit
quantified - Low will
not work.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Material Producer Information

Company: Enterprise Products Operating, LLC - Port Allen
Address: 2220 North River Road
City, State, Zip: Port Allen, LA 70767
Contact: Rory Hebert Title: Field Environmental Scientist
Phone No: 225-381-3459 Fax No: 225-381-3476
24/hr Phone: 225-278-5496
U.S. EPA I.D. No: LAR000033100
State I.D. D0022 SIC Code: NA

SECTION 2: Billing Information - ☐ Same as Above

Company: Enterprise Products Operating, LLC - Port Allen
Address: 2220 North River Road
City, State, Zip: Port Allen, LA 70767
Contact: Rory Hebert Title: Field Environmental Scientist
Phone No: 225-381-3459 Fax No: 225-381-3476

SECTION 3: General Description of the Material / Product

Name of Material / Product: Spent potassium hydroxide (for product recycling)

Detailed Description of Process Generating or Producing the Material / Product: Refinery grade propylene flows upward through two layers KOH briquettes. In the presents of oxygen molecule (provided by the water that is injected) COS is converted into some sort of sulfide which is entrained in the melted KOH that gathers in the bottom of the vessel. Periodically the liquid or spent KOH that gathers in the bottom of the vessel gets drained to a holding tank for disposal.

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: dark

Odor: ammonia

Specific Gravity (water=1): 1.203

Density: 10.03 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: _____ 4000 _____

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 2-3 Other: _____

PRODUCT

Proper U.S. DOT Shipping Name:

UN1760, Corrosive Liquids. n.o.s. (potassium hydroxide)

Class: 8

UN/NA: UN 1760

PG: II

RQ: 1000

Flash Point >150 200	pH 12-14	N/A	N/A	Solids 0-2%
Oil & Grease namg/l	TOC namg/l	Zinc namg/l	Copper namg/l	Nickel namg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Water	75-80	%
Potassium Hydroxide	20-25	%
Carbon	1-2	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
Standard PPE for high pH materials with sulfides

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Acids

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above an attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willfi omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materia tested are representative of all materials described by this document.

Authorized Signature: Rory HebertDate: 4/15/08Printed Name/Title: Rory Hebert/Field Environmental Scientist

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>Robert Hebert</u>	
Date: <u>4-25-08</u>	(Approved) Rejected
Approval Number: <u>2759</u>	

1. Base Pricing (including freight):

Management: \$0.40/gallon
Freight: \$900.00/load
Washout: \$150.00 each

2. Contamination Limits (maximum limit before surcharges apply):

Solids must be <0.75% suspended solids ; \$0.01 per gallon for every 1% solids over 0.75%
Extra \$0.04/gallon for press processing if solids are present.

3. Surcharge Pricing:

Solids greater than 0.75% - charge additional \$0.15/gallon plus \$600.00/load transportation plus current fuel surcharge

4. Special Testing Requirements:

Specific Gravity, % suspended solids, tit's per gallon, % caustic, Sulfides titration
pH
visual for oil and grease (NO OIL/GREASE ALLOWED!!) - No visible oil layer or oil sheen.
Determine % caustic by titration to pH 4 or by using specific gravity and the "Handy Math Calculation" - see shared drive
Sulfides must be low

5. Treatment and Handling Protocol:

CAN ONLY SHIP TO DERIDDER!!
If solids are <0.75% and caustic >7% then load in DeRidder tank/trailer
If solids are <0.75% and caustic <7% then put in RO tank and perform RO
If solids are >0.75% and caustic >7% then filter and then put in DeRidder tank/trailer
If solids are >0.75% and caustic <7% then filter first and then put in RO tank to perform RO

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable):

--

Material / Product Approval Letter

Date 6/4/2008

Dear Bill Glushko

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2804

Expiration Date 6/4/2010

Producer: KMCO, Inc.

Address: 16503 Ramsey Rd.
Crosby, TX 77532

Material / Product Information

Name of Material / Product SIB product

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Caustic washing of reaction product (molten sulfur and sulfurized isobutylene)

Color: idoine/amber **Odor:** mercaptan/strong **pH:** 9-13 typical

Physical State:

Incompatibilities: contact w/strong acids will evolve H₂S

Safety Related Data/Special Handling:

Rubber boots, rubber gloves, goggles, respirator, chem suit

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

YRP
TCE of this material
is high.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

Matt Bowman

SECTION 1: Material Producer Information

Company : KMCO, Inc.
Address : 16503 Ramsey Rd. 16503 Ramsey Road
City, State, Zip : Crosby TX 77532
Contact : Bill Glushko Title :
Phone No : (281) 328-3501 Fax : 281-328-9528
24 / HR Phone :
U.S EPA I.D No : TXD074198961
State I.D : 31904 SIC Code 2869

SECTION 2: Billing Information

Company : KMCO, Inc.
Address : 16503 Ramsey Rd. 16503 Ramsey Road
City, State, Zip : Crosby TX 77532
Contact : Bill Glushko Title :
Phone No : (281) 328-3501 Fax : 281-328-9528

SECTION 3: General Description of the Material / Product

Name of Material / Product : *SIB Product*

Detailed Description of the Process Generating or Producing the Material / Product:

Caustic washing of reaction product (molten sulfur and sulfurized isobutylene)

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : iodine/amber Odor : mercaptan/strong

Specific Gravity (Water=1) : 1.37 Density : 11.4 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers : ☒ Single-Phase ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size : 5000

Number Of Units : 10

Proper U.S. DOT Shipping Name : ~~Waste~~ corrosive liquid, basic, inorganic (sodium hydroxide)

Class : 8 UN/NA : UN3266 PG : II RQ : 1000

Flash Point >150	pH 9-13 typical	Reactive Sulfides 00-2500 typical mg/l	Reactive Cyanides <20 mg/l	Solids 0-1 %
Oil and Grease <100 mg/l	TOC <2500 mg/l	Zinc na mg/l	Copper na mg/l	Nickel na mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
water		70-90	%
sodium hydroxide		2-15	%
sulfurized salts; sulfides and solids		2-15	%
sulfurized isobutylene		0-2	%
NaHS		3-5	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

Rubber boots, rubber gloves, goggles, respirator, chem suit

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

Analytical 3/7/08

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

contact w/ strong acids will evolve H₂S

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : NA - Product

Date : 5/27/08

Printed Name / Title : Bill Glusko / Env Mgr

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information :

Compliance Officer : [Signature]

Date : 6-4-08

Status : Approved

Rejected

Approval Number : 2804

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

\$1.50/gal; trans \$69/hr; FSC; \$250/hr washout; \$3/gal
for lead

2. Contamination Limits (maximum limit before surcharges apply):

Material received must be a single phase that cannot have any top oil
phase greater than 2% of a second top oil phase

3. Surcharge Pricing:

4. Special Testing Requirements:

pH, density, sulfides, mercaptans & lb/gal calc. Then work up
an SIB treatment; record all info in the log book

5. Treatment and Handling Protocol:

Specialty treatment. Always have the driver pull into the bay,
on the South bay side, and have 2 samples pulled

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable):

--



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 6/4/2008

Dear Orval W Lewis

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2806

Expiration Date 6/4/2010

Generator: Targa Midstream Services LP

Address: 10319 Hwy 146 North
Mont Belvieu, TX 77580

Waste Information

Name of Waste: spent sodium hydroxide solution with ammonia (from LSNG u

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

used in the low sulfur gasoline mercaptan conversion process of removing disulfide oil and mercaptans, the caustic is used to scrub H₂S from the stream. The ammonia is from the caustic feedstock stream.

Color: light to dark

Odor: strong ammonia

pH: 12.12.48

Physical State:

Incompatibilities: acids

Safety Related Data/Special Handling:

std ppe for high pH material with sulfides.

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO041000308

GRP
OK

DC



CES Environmental Services, Inc.

4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information

Company: Targa Midstream Services
Address: 10319 Hwy 146 North
City: Mont Belvieu State: TX Zip: 77580
Contact: Orval Lewis Title:
Phone Number: 281-385-3215 Fax Number: 281-385-3188
24/hr Phone Number:
US EPA ID No: TXD980625974
State ID No: RRGEN SIC Code: NA

SECTION 2: Billing Information - ☐ Same as Above

Company: Targa Midstream Services
Address: PO Box 10
City: Mont Belvieu State: TX Zip: 77580
Contact: Orval Lewis Title:
Phone Number: 281-385-3215 Fax Number: 281-385-3188

SECTION 3: General Description of the Waste

Name of Waste: Spent sodium hydroxide solution with Ammonia (From LSNG unit)

Detailed Description of Process Generating Waste:

used in the low sulfur gasoline mercaptan conversion process of removing disulfide oil and/or mercaptans, the caustic is used to scrub H₂S from the stream. The ammonia is from the caustic feedstock stream.

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: light to dark Odor: strong ammonia

Specific Gravity (water=1): 1.163 Density: 9.9 lbs/gal

Does this material contain any total phenolic compounds? ☒ Yes ☐ No

Does this material contain any para substituted phenolic compounds? ☒ Yes ☐ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Frequency: ☒ Weekly ☐ Monthly ☐ Yearly ☐ One-Time

Quantity: 54000 -5-Mar

Is this a USEPA "Hazardous Waste" per 40CFR 261.3? ☐ Yes ☒ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

☐ Yes ☒ No

If "Yes", Is it: ☐ D001 (Ignitable) ☐ D002 (Corrosive) ☐ D003 (Reactive)
Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007 ☐ D008 ☐ D009
☐ D010 ☐ D011

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

Texas State Waste Code Number: Recycle

Proper US DOT Shipping Name:		Sodium Hydroxide Solution			
Class:	8 UN/NA:	UN1824	PG :	II	RQ: na

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
>150		12-12.48		0 <u>mg/l</u>		0 <u>mg/l</u>		<1 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
0	<u>mg/l</u>	0	<u>mg/l</u>	0	<u>mg/l</u>	0	<u>mg/l</u>	0	<u>mg/l</u>

[illegible]

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. MSDS

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

acids

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:

✓

TCLP Volatiles:

X

TCLP Semi-Volatiles:

X

Reactivity:

X

Corrosivity:

X

Ignitability:

X

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
- Cadmium: 0.2 mg/L
 - Chromium: 8.9 mg/L
 - Copper: 4.9 mg/L
 - Nickel: 37.5 mg/L
- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
- ☐ Metals Subcategory
 - ☐ Oils Subcategory
 - ☐ Organics Subcategory

SECTION 10. Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: _____

Approval Number: _____

☒ Approved

☐ Rejected

1. Base Pricing (including freight):

\$350/load freight
management fee - \$.50/gal

2. Contamination Limit (maximum limit before surcharges apply):

Solids - < 1%

3. Surcharge Pricing:

and for solids > 1% add \$.01/gal

4. Special Testing Requirements:

Test for pH, density, Sulfides, Sodium hydroxide %.

5. Treatment and Handling Protocol:

Removal of the Ammonia gas by air sparging. Capture the ammonia gasses into a water scrubber w/ a pH of about 4.0. Final treated Caustic-Sulfide liquid is a good NaSH product. The ammoniated scrubber water will need to process to system 1.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

NA

8. Management for Product Recovered/Recycled (if applicable)

NA

Interim Report of Analysis
2008-006911-DRPK

Intertek Caleb Brett
1114 Seaco Avenue
Deer Park, TX 77536
Ph: (713) 844 - 3200
Fax: (713) 844 - 3330

Client: Targa Resources, Inc.	Date Requested: 05/21/2008
Contact: Mr. Orval Lewis	Date Received: 05/21/2008
Client Ref. No.:	Collected By: Client

Client Sample Description	Product	Sample ID
Spent Caustic Trailer From LSNG. 05/21/08	Water	2008-006911-DRPK-001

Sample Results

Sample ID : 2008-006911-DRPK-001		Date Sampled: 05/21/2008	
Sample Description : Spent Caustic Trailer From LSNG. 05/21/08		Date Received: 05/21/2008	
Product : Water		Date Analyzed: 05/21/2008	
Method	Test	Results	Units
ASTM D5623	H2S	19.2	ppm (Wt)
	COS	5.4	ppm (Wt)
	Carbon Disulfide	33.0	ppm (Wt)
	Methyl Mercaptan	<0.1	ppm (Wt)
	Ethyl Mercaptan	2.5	ppm (Wt)
	Isopropyl Mercaptan	<0.1	ppm (Wt)
	n-Propyl Mercaptan	<0.1	ppm (Wt)
	tert-Butyl Mercaptan	<0.1	ppm (Wt)
	sec-Butyl Mercaptan	<0.1	ppm (Wt)
	Isobutyl Mercaptan	<0.1	ppm (Wt)
	n-Butyl Mercaptan	<0.1	ppm (Wt)
	Ethyl Methyl Sulfide	<0.1	ppm (Wt)
	Thiophene	<0.1	ppm (Wt)
	Tetra-Hydro Thiophene	<0.1	ppm (Wt)
	2-Methyl Thiophene	<0.1	ppm (Wt)
	3-Methyl Thiophene	<0.1	ppm (Wt)
	Dimethyl Sulfide	<0.1	ppm (Wt)
	Diethyl Sulfide	<0.1	ppm (Wt)
	Dimethyl Disulfide	<0.1	ppm (Wt)
	Diethyl Disulfide	<0.1	ppm (Wt)
	Benzothiophene	<0.1	ppm (Wt)

Intertek Caleb Brett

1114 Seaco Avenue, Deer Park, TX 77536

5/30/08 02:43 PM

Ph: (713) 844 -3200, Fax: (713) 844 - 3330, Email: dpotechctr@intertek.com, www.intertek-cb.com

Page 1 of 2

EPAHQ041000315

Interim Report of Analysis

2008-006911-DRPK

Sample ID : 2008-006911-DRPK-001		Date Sampled: 05/21/2008	
Sample Description : Spent Caustic Trailer From LSNG. 05/21/08		Date Received: 05/21/2008	
Product : Water		Date Analyzed: 05/21/2008	
Method	Test	Results	Units
HTM_G35	NOTE	As nitrogen	
	Ammonia in LPG	10739	ppm (Wt)
	Unknown 1	601	ppm (Wt)
	Unknown 2	242	ppm (Wt)
	Unknown 3	103	ppm (Wt)

This report has been reviewed for accuracy, completeness, and comparison against specifications when available. The reported results are only representative of the samples submitted for testing and are subject to confirmation upon completion of the final report. This report shall not be reproduced except in full without written approval of the laboratory.

Laboratory Review

Reported By

Date: _____

Date: _____

Intertek Caleb Brett

1114 Seaco Avenue, Deer Park, TX 77536

5/30/08 02:43 PM

Ph: (713) 844 -3200, Fax: (713) 844 - 3330, Email: dpstechctr@intertek.com, www.intertek-cb.com

Page 2 of 2

EPAHO041000316



Material Safety Data Sheet

Sodium hydrosulfide solution

MSDS Number 8000TDC (Revised: 1/15/03)

6 Pages

Section 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

- 1.1 **Product Name** Sodium hydrosulfide solution
Chemical Family Inorganic salt solution
Synonyms KI-300 depressant, NaHS, sodium hydrogen sulfide
Formula NaHS
- 1.2 **Manufacturer** Tessenderlo Davison Chemicals
1916 Farmerville Highway
Ruston, Louisiana 71270
Information (318) 242-5305
- 1.3 **Emergency Contact** (800) 877-1737 (Tessenderlo Kerley)
(800) 424-9300 (CHEMTREC)

Section 2: COMPOSITION, INFORMATION ON INGREDIENTS

- 2.1 **Chemical Ingredients (% by wt.)**
- | | | |
|---------------------|------------------|--------|
| Sodium hydrosulfide | CAS #:16721-80-5 | 20-45% |
| Water | CAS #:7732-18-5 | 55-80% |

(See Section 8 for exposure guidelines)

Section 3: HAZARDS IDENTIFICATION
--

NFPA: Health - 3 Flammability - 2 Reactivity - 1

EMERGENCY OVERVIEW

Warning: Solution is highly alkaline
Contains hydrogen sulfide , a highly toxic gas.
Eye contact will cause marked eye irritation and possibly severe corneal damage.
Skin contact will result in irritation and possible corrosion of the skin.
Ingestion will irritate/burn mouth, throat and gastrointestinal tract. Contact with
stomach acid will cause hydrogen sulfide vapors to be released.
Heating or acid will cause hydrogen sulfide gas to evolve.

Section	3: HAZARDS IDENTIFICATION, Cont.
----------------	---

3.1 POTENTIAL HEALTH EFFECTS

EYE: Contact with the eyes will cause marked eye irritation and possibly severe corneal damage.

SKIN CONTACT: Contact with the skin will cause skin irritation or burning sensation. Prolonged contact will result in corrosion of the skin.

SKIN ABSORPTION: Absorption is unlikely to occur.

INGESTION: Ingestion will result in severe burning and corrosion of mouth, throat and the gastrointestinal tract. If the ingested material contacts stomach acid, highly toxic hydrogen sulfide gas will be evolved.

INHALATION: Product solution and vapors contain highly toxic hydrogen sulfide gas. Exposure to this gas causes, headaches, nausea, dizziness and vomiting. Continued exposure can lead to loss of consciousness and death..

CHRONIC EFFECTS/CARCINOGENICITY: Not listed as a carcinogen by NTP, IARC or OSHA.

Section	4: FIRST AID MEASURES
----------------	------------------------------

4.1 EYES: Immediately flush with large quantities of water for 15 minutes. Hold eyelids apart during irrigation to insure thorough flushing of the entire area of the eye. Obtain immediate medical attention.

4.2 SKIN: Immediately flush with large quantities of water. Remove contaminated clothing under a safety shower. Obtain immediate medical attention

4.3 INGESTION: DO NOT INDUCE VOMITING. If victim is conscious, immediately give 2 to 4 glasses of water. If vomiting does occur, repeat fluid administration. Obtain immediate medical attention.

4.4 INHALATION: Remove victim from contaminated atmosphere. If breathing is labored, administer oxygen. If breathing has ceased, clear airway and start mouth to mouth resuscitation. If heart has stopped beating, external heart massage should be applied. Obtain immediate medical attention.

Section	5: FIRE FIGHTING MEASURES
----------------	----------------------------------

5.1 FLAMMABLE PROPERTIES

FLASH POINT: Not flammable

METHOD USED: NA

5.2 FLAMMABLE LIMITS

Hydrogen sulfide

LFL: 4%

UFL: 44%

5.3 EXTINGUISHING MEDIA: Water spray or foam or as appropriate for combustibles involved in fire.

5.4 FIRE & EXPLOSIVE HAZARDS: Solution is non-flammable. However if these solutions are exposed to heat or acids, hydrogen sulfide will be released and may form explosive mixtures with air (see above).

Keep containers/storage vessels in fire area cooled with water spray. Heating may cause the release of hydrogen sulfide vapors.

Section	5: FIRE FIGHTING MEASURES (Cont.)
----------------	--

5.5 FIRE FIGHTING EQUIPMENT: Because of the possible presence of toxic gases and the corrosive nature of the product, wear self-contained breathing apparatus, pressure demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section	6: ACCIDENTAL RELEASE MEASURES
----------------	---------------------------------------

6.1 Small releases: Confine and absorb small releases on sand earth or other inert absorbent. Oxidize residual reactive sulfides with a weak (3-5%) hydrogen peroxide solution.

6.2 Large releases: Wear proper protective equipment. Confine area to qualified personnel. Shut off release if safe to do so. Dike spill area to prevent runoff into sewers, drains (potential explosive mixtures of hydrogen sulfide in confined spaces) or surface waterways (potential aquatic toxicity). Recover as much of the solution as possible. Treat remaining material as a small release (above).

Section	7: HANDLING and STORAGE
----------------	--------------------------------

7.1 Handling: Wear proper protective equipment (See Section 8). Avoid breathing product vapors. Avoid contact with skin and eyes. Use only in a well ventilated area. Dilute product only in enclosed containers. Wash thoroughly after handling.

7.2 Storage: Store in well ventilated areas. Do not store combustibles in the area of storage vessels. Keep away from any sources of heat or flame. Store tote and smaller containers out of direct sunlight at moderate temperatures [$<80^{\circ}\text{F}$ (27°C)]. (See Section 10.4 for materials of construction)

Section	8: EXPOSURE CONTROLS, PERSONAL PROTECTION
----------------	--

8.1 RESPIRATORY PROTECTION: If working near open container or storage vessel opening or open tank truck dome cover, wear self-contained breathing apparatus, pressure demand, MSHA/NIOSH (approved or equivalent).

8.2 SKIN PROTECTION: Neoprene rubber gloves, chemical suit and boots should be worn to prevent contact with the liquid. Wash contaminated clothing prior to reuse. Contaminated leather shoes cannot be cleaned and should be discarded.

8.3 EYE PROTECTION: Chemical goggles and a full face shield.

8.4 EXPOSURE GUIDELINES:

	OSHA	ACGIH
	<u>TWA</u> <u>STEL</u>	<u>TLV</u> <u>STEL</u>
Hydrogen sulfide	20 ppm (ceiling)	10 ppm (ceiling)

8.5 ENGINEERING CONTROLS: Use adequate exhaust ventilation to prevent inhalation of product vapors. Where feasible scrub process or storage vessel vapors with caustic solution. Maintain eyewash/safety shower in areas where chemical is handled.

Section	9:	PHYSICAL and CHEMICAL PROPERTIES
----------------	-----------	---

9.1 APPEARANCE:	Yellow to dark green liquid.
9.2 ODOR:	Strong hydrogen sulfide (rotten egg) odor.
9.3 BOILING POINT:	253 °F (122.8 °C) - 269 °F (131.7 °C)
9.4 VAPOR PRESSURE:	17 mm Hg @ 68 °F (20 °C)
9.5 VAPOR DENSITY: (Air = 1.0)	1.17
9.6 SOLUBILITY IN WATER:	Complete
9.7 SPECIFIC GRAVITY:	1.152 - 1.303 (9.6 - 10.9 lbs/gal)
9.8 FREEZING POINT:	0° F (-17.8° C) - 20% 56° F (13.3° C) - 45%
9.9 pH:	11.5 - 12.5
9.10 VOLATILE:	Not applicable

Section	10:	STABILITY and REACTIVITY
----------------	------------	---------------------------------

10.1 STABILITY: This is a stable material

10.2 HAZARDOUS POLYMERIZATION: Will not occur.

10.3 HAZARDOUS DECOMPOSITION PRODUCTS: Heating this product will evolve hydrogen sulfide. Fire conditions will also cause the production of sulfur dioxide. Hydrogen sulfide (4-44%) may form flammable mixtures with air.

10.4 INCOMPATIBILITY: Acids will cause the release of highly toxic hydrogen sulfide. Sodium hydrosulfide solution is not compatible with copper, zinc, aluminum or their alloys (i.e. bronze, brass, galvanized metals, etc.). Corrosive to steel above 150° F (65.5° C). These materials of construction should not be used in handling systems or storage containers for this product. (SEE Section 7.2, Storage)

Section	11:	TOXICOLOGICAL INFORMATION
----------------	------------	----------------------------------

11.1 ORAL: Data not available

11.2 DERMAL: Data not available

11.3 INHALATION: INH-RAT LC₅₀: 444 ppm (hydrogen sulfide)
INH-MOUSE LC₅₀: 1,500 mg/m³ 18 minutes
INH-RAT LC₅₀: 1,500 mg/m³ 14 minutes

11.4 CHRONIC/CARCINOGENICITY: No evidence available

11.5 TERATOLOGY: Data not available

11.6 REPRODUCTION: Data not available

11.7 MUTAGENICITY: Data not available

Section	12: ECOLOGICAL INFORMATION
----------------	-----------------------------------

Static acute 96 hour-LC₅₀ for mosquito fish is 206 mg/L. (T_lm - fresh water)

LC₅₀ fly inhalation 1,500 mg/m³, 7 minutes

TL_m Gammarus 0.84 mg/L, 96 hours (hydrogen sulfide)

TL_m Ephemera 0.316 mg/L, 96 hours (hydrogen sulfide)

TL_m Flathead minnow 0.071 – 0.55 mg/L @ 6-24°C, 96 hour flow through bioassay (hydrogen sulfide)

TL_m Bluegill 0.0090 – 0.0140 mg/L @ 20-22°C, 96 hour flow through bioassay (hydrogen sulfide)

TL_m Brook trout 0.0216 – 0.0308 mg/L @ 8-12.5°C, 96 hour flow through bioassay (hydrogen sulfide)

Section	13: DISPOSAL CONSIDERATIONS
----------------	------------------------------------

If released to the environment for other than its intended purpose, this product contains some reactive sulfides which may be in sufficient quantity to meet the definition of a D003, hazardous waste.

Section	14: TRANSPORT INFORMATION
----------------	----------------------------------

14.1 DOT Shipping Name: Corrosive liquids, toxic, n.o.s.

14.2 DOT Hazard Class: 8

14.3 UN/NA Number: UN2922
UN2949 (IMDG - over water)

14.4 Packing Group: II

14.5 DOT Placard: Corrosive

14.6 DOT Label(s): Corrosive
Toxic

14.7 IMO Shipping Name: Sodium hydrosulphide solution

14.8 RQ (Reportable Quantity): 5,000 lbs (2268 Kg) 100% basis
[2,604 gal (20%) 1,019 gal (45%)]

14.9 RR STCC Number: 28-123-33/49-352-04 (international)

Section	15: REGULATORY INFORMATION
----------------	-----------------------------------

15.1 OSHA: This product is listed as a hazardous material under criteria of the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200.

15.2 SARA TITLE III: a. **EHS (Extremely Hazardous Substance) List:** No

Section	15: REGULATORY INFORMATION (Cont.)
----------------	---

b.	Section 311/312, (Tier I,II) Categories:	Immediate (acute)	Yes
		Fire	Yes
		Sudden release	No
		Reactivity	Yes
		Delayed (chronic)	No
c.	Section 313 (Toxic Release Report-Form R):		No
d.	TPQ (Threshold Planning Quantity):		No
15.3	CERCLA/SUPERFUND:	RQ (Reportable Quantity)	5,000 lbs (2270 Kg)
15.4	TSCA (Toxic Substance Control Act) Inventory List:		Yes
15.5	RCRA (Resource Conservation and Recovery Act) Status:		D003 (See Section 13)
15.6	WHMIS (Canada) Hazard Classification:		E, D1
15.7	DOT Hazardous Material: (See Section 14)		Yes
15.8	CAA Hazardous Air Pollutant (HAP)		No

Section	16: OTHER INFORMATION
----------------	------------------------------

REVISIONS: The entire MSDS was reformatted to comply to ANSI Standard Z400.1-1993.

Revised Sections 1.1, 8.3, 11, 12, 5/7/02
 Revised pH range in Section 8, 6/19/02
 Revised shipping info & RQ data, 1/15/03

<p>THE INFORMATION PUBLISHED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN COMPILED FROM OUR EXPERIENCE AND OSHA, ANSI, NFPA, DOT, ERG, AND CHRIS. IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SUITABILITY OF THIS INFORMATION FOR THE ADOPTION OF NECESSARY SAFETY PRECAUTIONS. WE RESERVE THE RIGHT TO REVISE MATERIAL SAFETY DATA SHEETS PERIODICALLY AS NEW INFORMATION BECOMES AVAILABLE.</p>



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 6/13/2008

Dear **Ed Cox**

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2825

Expiration Date 6/12/2010

Producer: Afton Chemical Corporation @ Delta Chemical
Address: 334 Tidal Road
Deer Park, TX 77536

Material / Product Information

Name of Material / Product Afton Fuel Additive - eval ash

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Unused product

Color: light amber

Odor: amine like

pH: 2-12

Physical State:

Incompatibilities: strong oxidizing and reducing agents

Safety Related Data/Special Handling:

use chemical resistant gloves, suit, boots, safety goggles

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

Review ed. Paperwork is
OK. There is not a generator's
signature.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Material Producer Information

Company: Afton Chemical Corporation @ Delta Chemical
Address: 334 Tidal Road
City, State, Zip: Deer Park, TX 77536
Contact: Tim Menard Title:
Phone No: 281-680-4113 Fax No: 281-479-9842
24/hr Phone: 713-819-3172
U.S. EPA I.D. No:
State I.D. SIC Code:

SECTION 2: Billing Information - ☐ Same as Above

Company: Afton Chemical Corporation
Address: 501 Monsanto Ave
City, State, Zip: Suget, Illinois 62201
Contact: Ed Cox Title:
Phone No: 1.618-583-1078 Fax No: 618-583-1388

SECTION 3: General Description of the Material / Product

Name of Material / Product: Afton Fuel additive - eval ash

Detailed Description of Process Generating or Producing the Material / Product: Unused product

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Light Amber

Odor: Amine-like

Specific Gravity (water=1): .9

Density: 7.5 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 gal

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): _____ Other: _____

Proper U.S. DOT Shipping Name:

Product
Combustible Liquids, n.o.s., (sulfurized olefins), PG III

Class: 3

UN/NA: NA 1993

PG: III

RQ: 100

Flash Point >140	pH 2-12	N/A	N/A	Solids 0%
Oil&Grease 100mg/l	TOC 0mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Hitec Fuel additive	100%	%
		%
		%
		%
		%
		%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
use chemical resistant gloves, suit and boots, as well as safety goggles

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Strong oxidizing and reducing agents

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: n/a Date: 6-12-08

Printed Name/Title: no signature required

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>[Signature]</u>	
Date: <u>6-12-08</u>	(Approved) Rejected
Approval Number: <u>2825</u>	

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

Pay \$.15/gal. no trans charges

2. Contamination Limits (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C

7. Tests for Product Recovered/Recycled (if applicable):

evaluate each product type shipped in this profile group for ash and record results (to eliminate such extensive testing for future loads). ~~Catch a sample~~ Record the sample information in the product book (product type also - name on MSDS) and run the ash. Report this to Gary Peterson.

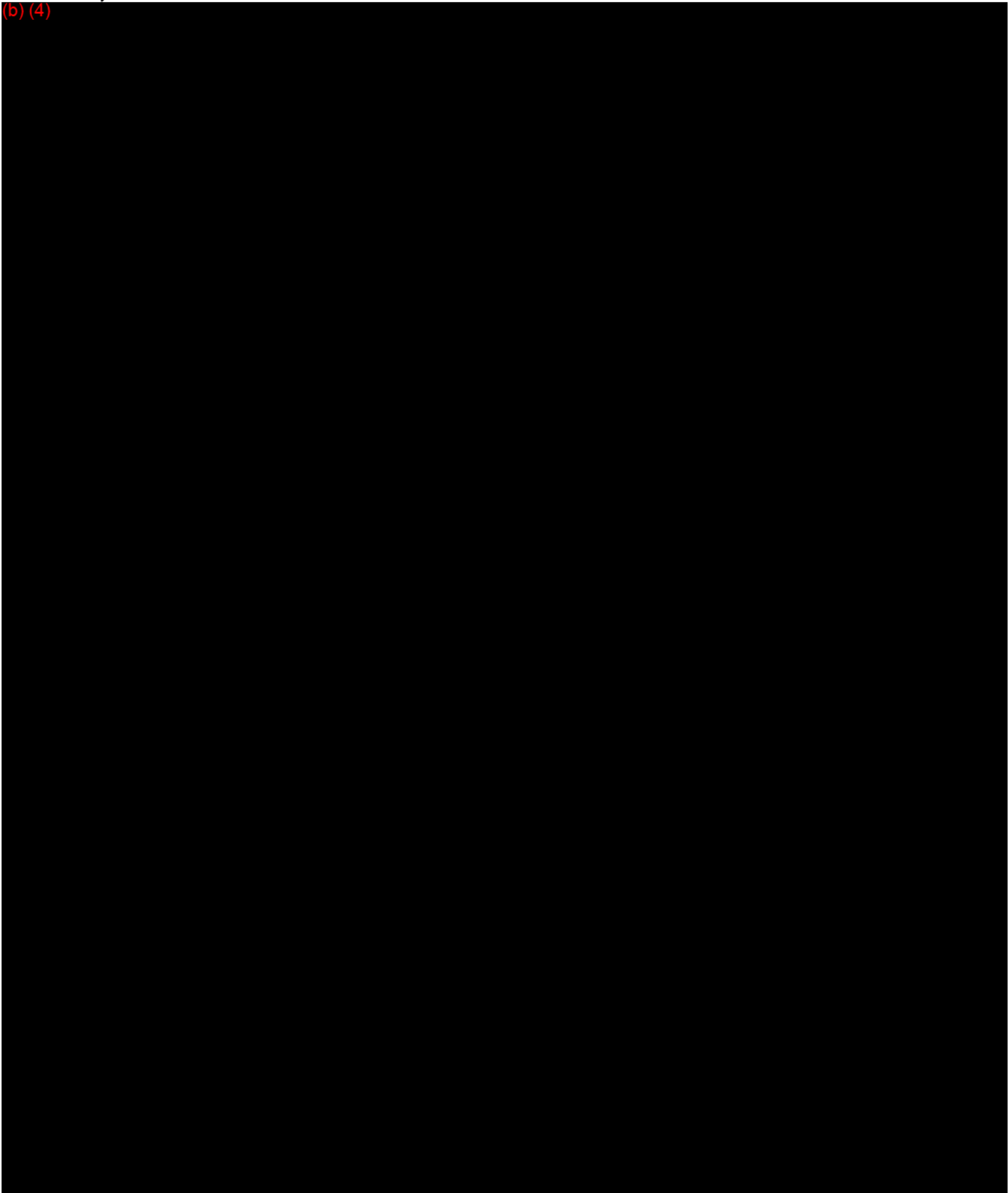
8. Management for Product Recovered/Recycled (if applicable):

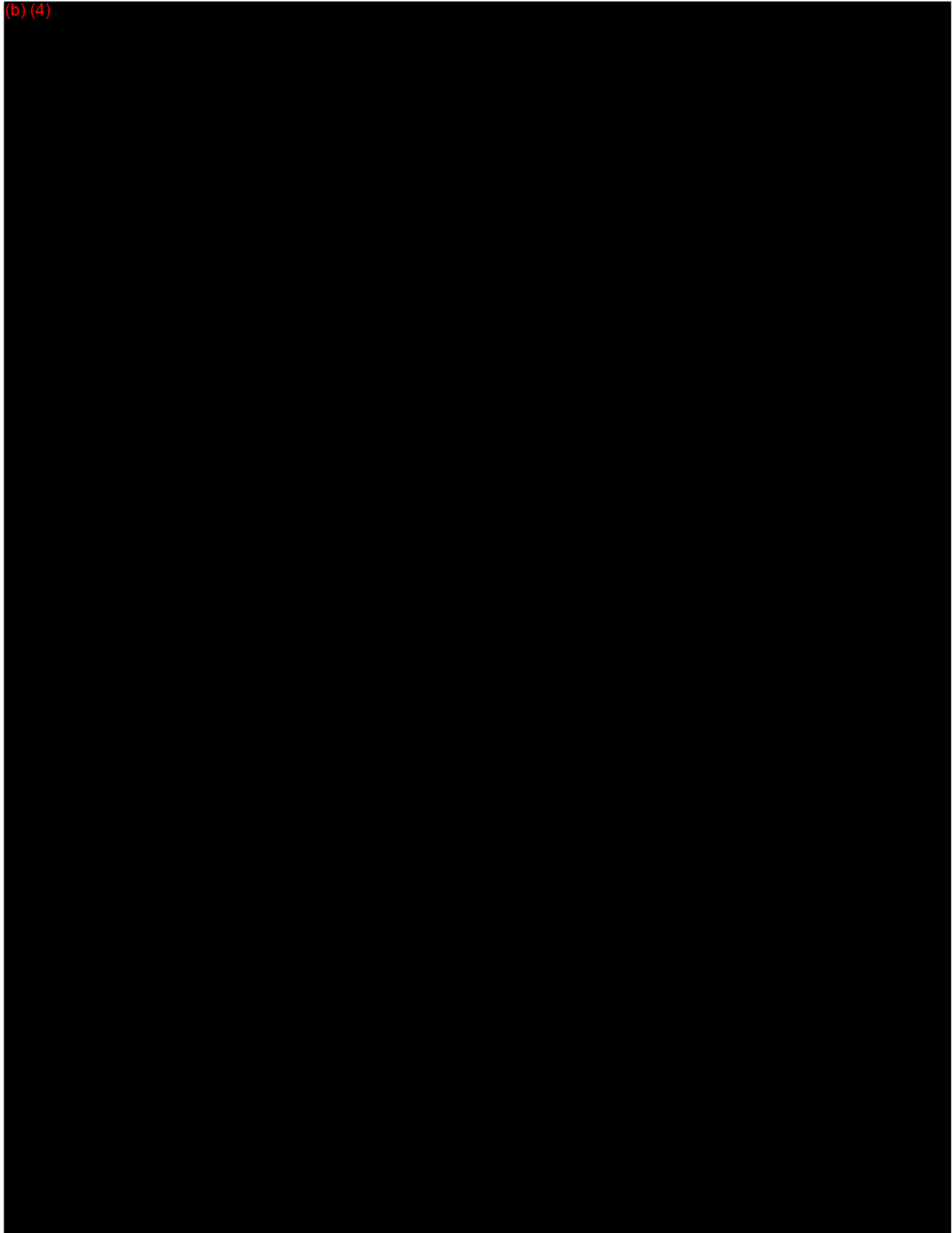
Meet with Joy with ash results to determine whether to blend product or ship with CES Fuels to Energis. Catch a sample from the drums for each product type. Label & bring to the lab for ash testing.



Material Safety Data Sheet

(b) (4)





(b) (4)



*** END OF MSDS ***



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

To: Joy Baker
Cc: Gary Lenertz, Gary Peterson, Bo Cumberland

Date: 04/01/08

From: Miles Root

Lab Memo: 08-052

Subject: **Afton Chemical Evaluations 0308-121 – 125**

Samples of viscosity improvers from Afton Chemical have been tested for compatibility with our black oil and light ends. Ash analyses have also been determined on two of the samples by an outside lab. All of the materials were compatible with the requested testing with either light ends or black oil. The HiTEC 9227 has a very high ash at 13.1 wt%. This entire spectrum of material is available in a lot of approximately 1000 drums that are partially filled with the various evaluation materials. All of the samples look clean and since they are in drums are able to be blended as needed to reduce the high ash content in the one stream. A summary of the test results is below.

Afton Chemicals Evals 0308-121 thru 125			
Eval #	Sample ID	Compatibility	Ash, wt%
0308-121	HiTEC 9227	Black Oil	13.1
0308-122	HiTEC 343	Black Oil	1.7
0308-123	HiTEC 5777	Light Ends	
0308-124	HiTEC 6560	Black Oil	
0308-125	HiTEC 5710A	Light Ends	

Material / Product Approval Letter

Date 6/13/2008

Dear Ed Cox

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2826

Expiration Date 6/12/2010

Producer: Afton Chemical Corporation (@) Delta Chemical
Address: 334 Tidal Road
Deer Park, TX 77536

Material / Product Information

Name of Material / Product Afton fuel additive - high ash

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

unused product

Color: light amber

Odor: amine like

pH: 2-12

Physical State:

Incompatibilities: strong oxidizing and reducing agents

Safety Related Data/Special Handling:

use chemical resistant gloves, suit and boots, safety goggles

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

GRP
Reviewed. Paperwork is OK.
There is no generator
signature.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

Ash = 13.7%
Low viscosity.

gab

SECTION 1: Material Producer Information

Company: Afton Chemical Corporation @ Delta Chemical
Address: 334 Tidal Road
City, State, Zip: Deer Park, TX 77536
Contact: Tim Menard Title:
Phone No: 281-680-4113 Fax No: 281-479-9842
24/hr Phone: 713-819-3172
U.S. EPA I.D. No:
State I.D. SIC Code:

SECTION 2: Billing Information - ☐ Same as Above

Company: Afton Chemical Corporation
Address: 501 Monsanto Ave
City, State, Zip: Suget, Illinois 62201
Contact: Ed Cox Title:
Phone No: 1.618-583-1078 Fax No: 618-583-1388

SECTION 3: General Description of the Material / Product

Name of Material / Product: Afton Fuel additive - high ash

Detailed Description of Process Generating or Producing the Material / Product: Unused product

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Light Amber

Odor: Amine-like

Specific Gravity (water=1): 1

Density: 8.34 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 gal

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): Other:

Produce
Proper U.S. DOT Shipping Name:

Non RCRA/Non DOT Regulated Material

Class: NA

UN/NA: NA

PG: NA

RQ: NA

Flash Point ≥200	pH 2-12	N/A	N/A	Solids 0%
Oil&Grease 100mg/l	TOC 0mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Hitec Fuel additive	100%	%
		%
		%
		%
		%
		%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
use chemical resistant gloves, suit and boots, as well as safety goggles

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Strong oxidizing and reducing agents

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: n/a Date: 6-12-08

Printed Name/Title: no signature required

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>Pebun E Thanga</u>	
Date: <u>6-12-08</u>	Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>
Approval Number: <u>2826</u>	

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

Pay \$.15/gal. no trans charges

2. Contamination Limits (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C

7. Tests for Product Recovered/Recycled (if applicable):

Retain Representative sample

8. Management for Product Recovered/Recycled (if applicable):

Segregate drums, bulk drums and send to Energis as CES NH Fuels . At low volumes (about 8 drums per load) this material can process with black oil.

Few 100

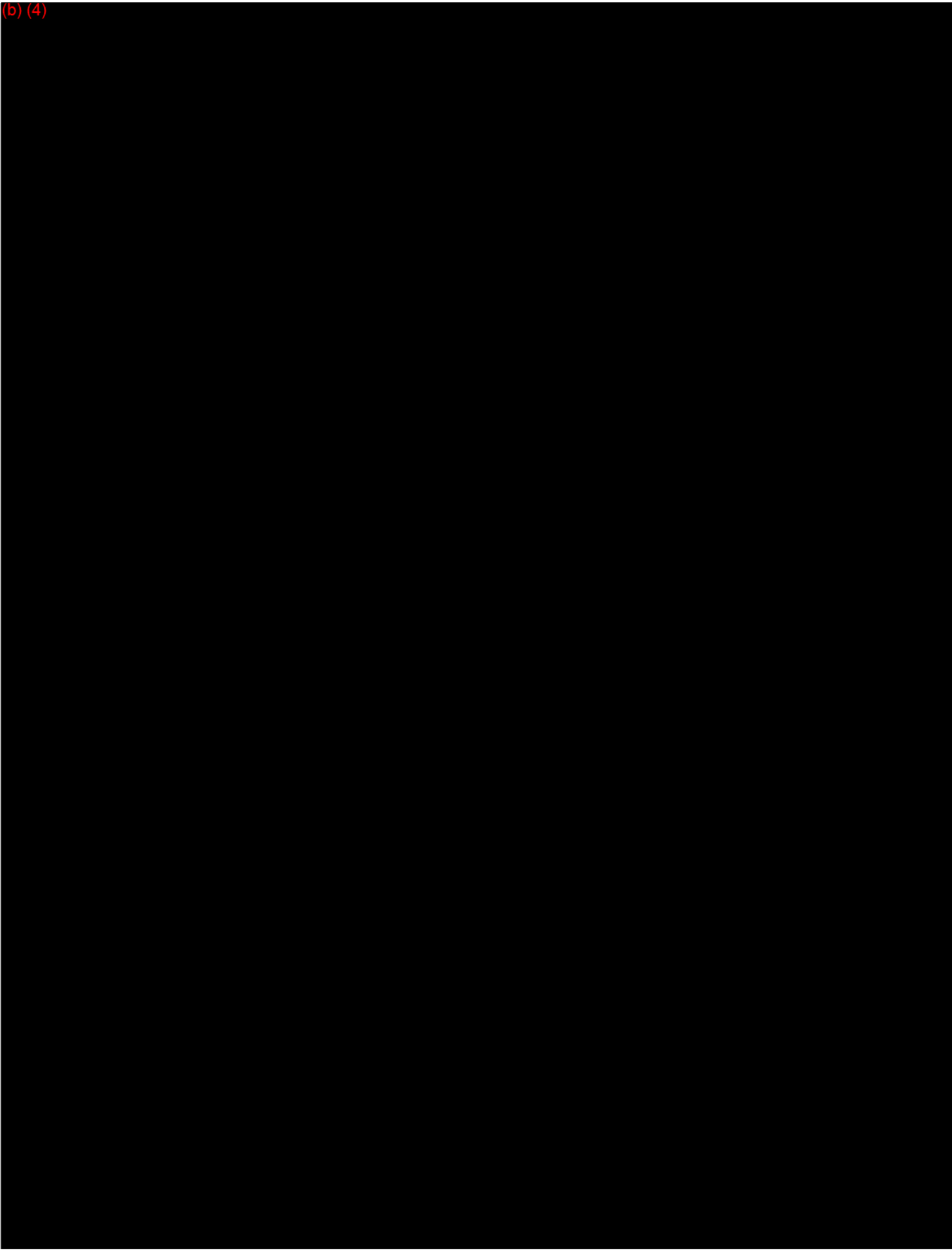


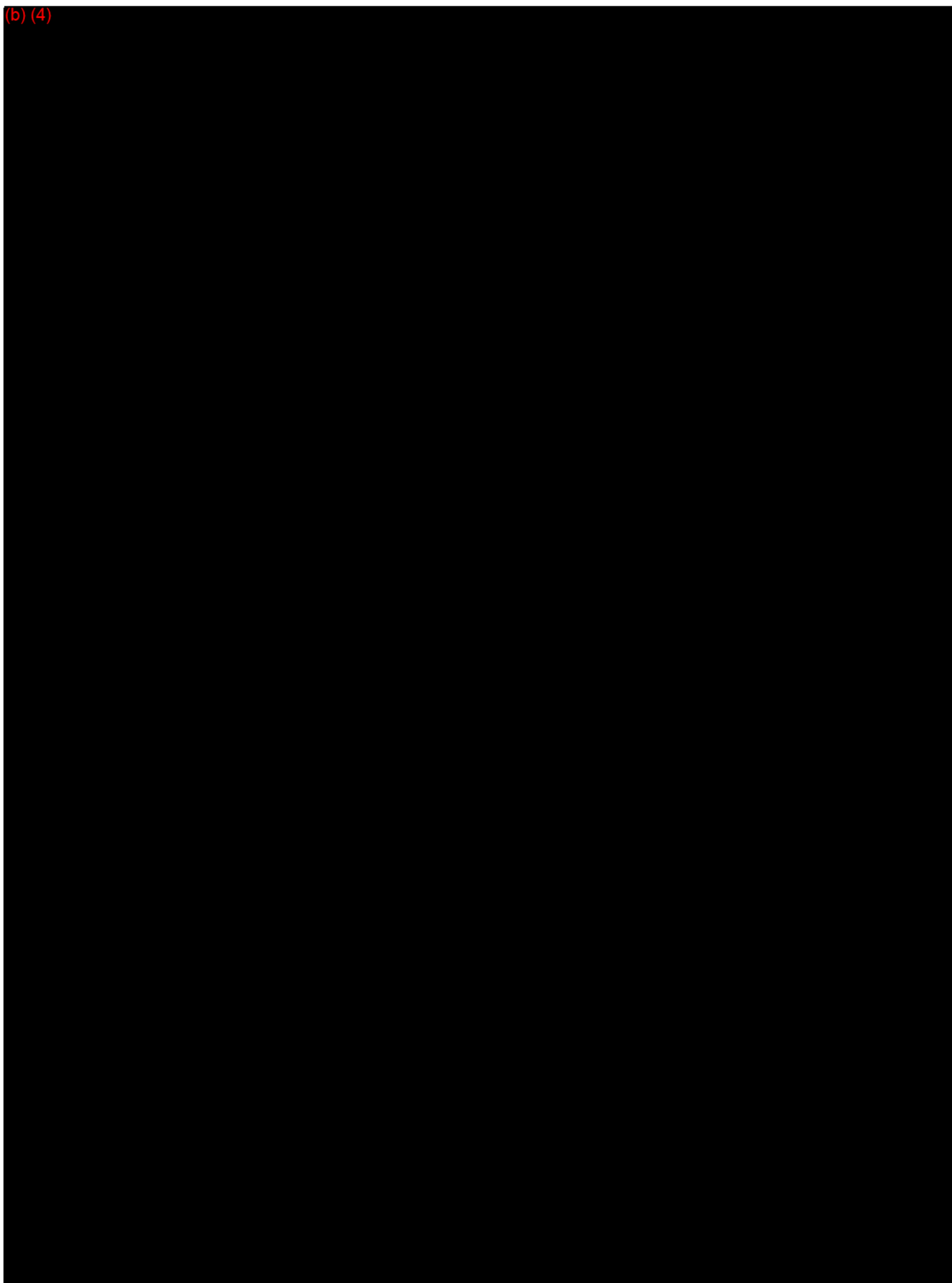
Material Safety Data Sheet

(b) (4)

(b) (4)







(b) (4)



*** END OF MSDS ***



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

To: Joy Baker
Cc: Gary Lenertz, Gary Peterson, Bo Cumberland

Date: 04/01/08

From: Miles Root

Lab Memo: 08-052

Subject: **Afton Chemical Evaluations 0308-121 – 125**

Samples of viscosity improvers from Afton Chemical have been tested for compatibility with our black oil and light ends. Ash analyses have also been determined on two of the samples by an outside lab. All of the materials were compatible with the requested testing with either light ends or black oil. The HiTEC 9227 has a very high ash at 13.1 wt%. This entire spectrum of material is available in a lot of approximately 1000 drums that are partially filled with the various evaluation materials. All of the samples look clean and since they are in drums are able to be blended as needed to reduce the high ash content in the one stream. A summary of the test results is below.

Afton Chemicals Evals 0308-121 thru 125			
Eval #	Sample ID	Compatibility	Ash, wt%
0308-121	HiTEC 9227	Black Oil	13.1
0308-122	HiTEC 343	Black Oil	1.7
0308-123	HiTEC 5777	Light Ends	
0308-124	HiTEC 6560	Black Oil	
0308-125	HiTEC 5710A	Light Ends	



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 6/13/2008

Dear Ed Cox

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2829

Expiration Date 6/12/2010

Producer: Afton Chemical Corporation @ Delta Chemical

Address: 334 Tidal Road
Deer Park, TX 77536

Material / Product Information

Name of Material / Product Afton VI Improver - Polymer Based

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Unused product

Color: light amber

Odor: amine like

pH: 2-12

Physical State:

Incompatibilities: strong oxidizing reducing agents

Safety Related Data/Special Handling:

use chemical resistant gloves, suit and boots, safety goggles

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

GRP
Reviewed. Paperwork OK
- No Generator Signature



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

Low toxicity
Low risk.

JB

SECTION 1: Material Producer Information

Company: Afton Chemical Corporation @ Delta Chemical
Address: 334 Tidal Road
City, State, Zip: Deer Park, TX 77536
Contact: Tim Menard Title:
Phone No: 281-680-4113 Fax No: 281-479-9842
24/hr Phone: 713-819-3172
U.S. EPA I.D. No:
State I.D. SIC Code:

SECTION 2: Billing Information - ☐ Same as Above

Company: Afton Chemical Corporation
Address: 501 Monsanto Ave
City, State, Zip: Suget, Illinois 62201
Contact: Ed Cox Title:
Phone No: 1.618-583-1078 Fax No: 618-583-1388

SECTION 3: General Description of the Material / Product

Name of Material / Product: Afton VI Improver - Polymer Based

Detailed Description of Process Generating or Producing the Material / Product: Unused product

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Light Amber

Odor: Amine-like

Specific Gravity (water=1): 0.9

Density: 7.5 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 gal

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly

Number of Units (containers): Product Other: Product

Proper U.S. DOT Shipping Name: Non RCRA/Non DOT Regulated Material

Class: NA UN/NA: NA PG: NA RQ: NA

Flash Point >200	pH 2-12	N/A	N/A	Solids 0%
Oil&Grease 100mg/l	TOC 0mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Hitec Viscosity Improver - Polymer based	100%	%
		%
		%
		%
		%
		%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
use chemical resistant gloves, suit and boots, as well as safety goggles

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Strong oxidizing and reducing agents

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: n/a Date: 6-12-08

Printed Name/Title: no signature required

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>Rabun Tang</u>	
Date: <u>6-12-08</u>	Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>
Approval Number: <u>2829</u>	



**CES Environmental
Services, Inc.**

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

Pay \$.15/gal. no trans charges

2. Contamination Limits (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C

7. Tests for Product Recovered/Recycled (if applicable):

Check for blending compatibility with other line of viscosity improver from Afton. They recommended that we not blend the 2 lines of viscosity modifiers.

8. Management for Product Recovered/Recycled (if applicable):

Product cannot be sold as viscosity modifier per generator. Must blend with LIGHT ENDS. Do not blend with clay-based viscosity improver from Afton if blending test gives negative results. The drums should be deheaded and bulked in ISO container or tank. Scrape drums after bulking to remove product completely before shredding drums.



Material Safety Data Sheet

(b) (4)

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(b) (4)



(b) (4)



(b) (4)



(b) (4)



*** END OF MSDS ***



4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

To: Joy Baker
Cc: Gary Lenertz, Gary Peterson, Bo Cumberland

Date: 04/01/08

From: Miles Root

Lab Memo: 08-052

Subject: **Afton Chemical Evaluations 0308-121 – 125**

Samples of viscosity improvers from Afton Chemical have been tested for compatibility with our black oil and light ends. Ash analyses have also been determined on two of the samples by an outside lab. All of the materials were compatible with the requested testing with either light ends or black oil. The HiTEC 9227 has a very high ash at 13.1 wt%. This entire spectrum of material is available in a lot of approximately 1000 drums that are partially filled with the various evaluation materials. All of the samples look clean and since they are in drums are able to be blended as needed to reduce the high ash content in the one stream. A summary of the test results is below.

Afton Chemicals Evals 0308-121 thru 125			
Eval #	Sample ID	Compatibility	Ash, wt%
0308-121	HiTEC 9227	Black Oil	13.1
0308-122	HiTEC 343	Black Oil	1.7
0308-123	HiTEC 5777	Light Ends	
0308-124	HiTEC 6560	Black Oil	
0308-125	HiTEC 5710A	Light Ends	



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 6/17/2008

Dear Kelly Aimes

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2837

Expiration Date 6/17/2010

Generator: Seatex Ltd

Address: 445 Tx-36
Rosenberg, TX 77471

Waste Information

Name of Waste: e-core@CARBO-LIQ Plus-10

TCEQ Waste Code #: CESQ2191

Container Type:

Detailed Description of Process Generating Waste:

Off-spec

Color: hazy liquid

Odor: slight

pH: 6.5-7.5

Physical State:

Incompatibilities: na

Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

GRP
Name of Waste: (See MSDS) Name

DB



**CES Environmental
Services, Inc.**

4904 Griggs Road, Houston, TX 77021

Phone: (713) 676-1460 Fax: (713) 676-1676

<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: Generator Information

Company: SEATEX LTD.
Address: 445 TX-36
City: ROSENBERG State: TX Zip: 77471
Contact: KELLY AIMES Title:
Phone Number: 713-357-5340 Fax Number: 713-357-5301
24/hr Phone Number: 713-357-5300
US EPA ID No: TXCESQG
State ID No: CESQG SIC Code:

SECTION 2: Billing Information - ☐ Same as Above

Company: CKG SERVICES
Address: 10707 HONEA EGYPT ROAD
City: MONTGOMERY State: TX Zip: 77316
Contact: ZAC MCKAUGHAN Title: PRESIDENTS
Phone Number: 281-541-4829 Fax Number: 936-756-1226

SECTION 3: General Description of the Waste

Name of Waste: TRADE-SECRET - (See MSDS) e-core® Carbo-Lig Plus-10
Detailed Description of Process Generating Waste: OFF SPEC

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: HAZY LIQUID Odor: SLIGHT

Specific Gravity (water=1): ND Density: ND lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☒ Tote ☐ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☒ Yearly ☐ One-Time

Quantity: 281 GALLONS

Is this a USEPA "Hazardous Waste" per 40CFR 261.3?

☐ Yes ☒ No

If "Yes", then please fill out the UHC Form

If "Yes", Is It:

☐ 0001 (Ignitable)

☐ D002 (Corrosive)

☐ D003 (Reactive)

Characteristic for Toxic Metals:

D004

☐ 0005

☐ 0006

☐ D007

DO08

D009

D010

D011

Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one?

☐ Yes☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

☐ Yes☒ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code Number:

CE502191

Proper US DOT Shipping Name:

NON HAZ/NON DOT

Class:

NA

UN/NA:

NA

PG :

NA

RQ:

NA

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
NA		6.5-7.5		NA <u>mg/l</u>		NA <u>mg/l</u>		NA %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
NA	<u>mg/l</u>	NA	<u>mg/l</u>	NA	<u>mg/l</u>	NA	<u>mg/l</u>	NA	<u>mg/l</u>

SECTION 4: Physical and Chemical Data

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

NA

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. MSDS

SECTION 7: Incompatibilities

Please list ALL Incompatibilities (if any):

None Known

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals: NA

TCLP Volatiles: NA

TCLP Semi-Volatiles: NA

Reactivity: NA

Corrosivity: NA

Ignitability: NA

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: 6-9-08

Printed Name/Title: PAZ MCKAUGHAN | PRESIDENT

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: [Signature]

Date: 6-17-08

Approval Number: 2831

☒ Approved

☐ Rejected



11445 East Via Linda
Suite 2150,
Scottsdale, AZ 85259
480.361.4931

281

*281 Gallons
Tote*

Date: 10.01.07

E-CORE® CARBO - LIQ PLUS-10

Version: 001

Page: 1 of 6

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: E-CORE® CARBO - LIQ Plus-10

COMPANY

E-CORE

11445 East Via Linda
Scottsdale, Arizona 85259
United States

Telephone: 001/480.361.4931

Fax: 001/480.361.4968

Emergency telephone number
Chempac 001.703.527.3887

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL FAMILY: Carbohydrate solution
Chemical characterization

CAS-No.	Chemical Name	Weight %	Classification
--	TRADE SECRET	100%	

Further ingredients / Impurities			
CAS-No.	Chemical Name	Weight %	Classification
--	--	--	--
Synonyms			

3. HAZARDS IDENTIFICATION

Hazards to people and the environment

None.

Additional advice

Drum

*87% { Isotamul 923 82%
Water 50%
97% Calamide C 10%
+ 10% Husipan 10% Silicone
20% TFA 85% Benzoline*



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4. FIRST AID MEASURES

General advice

Inhalation

Only under extreme spray can this be harmful. Remove person out of contaminated area to fresh air. If discomfort occurs or persists, seek medical attention.

Skin contact

Wash with water. Remove contaminated clothing and footwear. Wash clothing before reuse and discard footwear, which cannot be decontaminated. Seek medical attention if irritation occurs.

Eye contact

Flush eyes thoroughly with plenty of water for at least 15 minutes, holding eyelids apart to ensure flushing of the entire eye surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness. If eye irritation persists, consult a specialist.

Ingestion

Rinse mouth out with water. Consult a physician.

Notes to physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Use water spray, fog, foam, CO2 or dry chemical.

Extinguishing media which must not be used for safety reasons

Oxidizing materials and strong mineral acids.

Special dangers caused by the substance or preparation itself, results of fire/burning, or ensuing gases

Non-determined

Special protective equipment for firefighters

In the event of fire, wear approved self-contained breathing apparatus with full-face mask and full protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Use approved respirator.

Environmental precautions

N/D

Methods for cleaning up

Soak up residue with noncombustible absorbent material. Shovel up spills and sweep up cleanly. Avoid contact with incompatible materials. Place spilled material in a sealable steel container for proper disposal. After all visible traces have been removed flush area with clean water.

Additional advice

Never return spills in original containers for re-use.



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7. HANDLING AND STORAGE

Handling

Safe handling advice

Avoid cutting or welding of empty containers to prevent the possibility of causing fire, explosion or toxic fumes residue.

Advice on protection against fire and explosion

Keep away from open flames and high temperatures.

Storage

Requirements for storage rooms and containers

Store in a cool, dry, non-combustible building.

Advice on common storage

No materials to be specially mentioned. Observe regulations for keeping separated.

Special storage conditions

Do not store in unlabeled containers

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures

Control parameters

Chemical Name

Weight %

TLV

OEL

BEI

Trade secret

100%

Personal protective equipment

Respiratory protection

Use adequate local exhaust ventilation where dust, mists or spray may be generated. If ventilation is not available or is inadequate use an approved respirator.

Eye protection

Safety goggles or chemical goggles, and a splash resistant face shield should be worn to prevent eye/face contact.

Hand protection

Imperious gloves should be worn. Gloves may be decontaminated by washing with mild soap and water. Natural and Butyl rubber or neoprene has been suggested.

Skin and body protection

Coveralls closed to the neck are preferred. A chemical apron should be worn when splashing of product is possible. Wear rubber boots or chemical resistant shoes. Safety showers and eyewash facilities should be accessible.

Industrial hygiene

Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.



Date: 10.01.07

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Color Hazy Liquid
Odor slight	
PH @ 10% 8.5 – 7.5	
Boiling point/range > N/A	Melting point/range – N/A
Decomposition temperature --	Auto Ignition temperature --
Oxidizing properties --	Flammability (solid, gas) --
Flash point Not determined	
Explosion limits None	
Vapour pressure N/A	Vapour density (Air=1.0) > N/D
Specific Gravity N/D	Bulk density --
Water solubility N/D	
Fat solubility	
Solubility in other solvents N/D	
Partition coefficient (n-octanol/water) --	
Viscosity 515 @ 100 deg.F: n/a	
Other data	

10. STABILITY AND REACTIVITY

Conditions to avoid	
Materials to avoid	Oxidizing materials and strong mineral acids
Hazardous decomposition products	None known.
Further information	

11. TOXICOLOGICAL INFORMATION

Acute toxicity	
Ingestion	Large amounts may cause diarrhea
LD50 oral	
Skin contact	May cause skin irritation from repeated or prolonged contact
LD50 dermal	
Inhalation	irritation to lungs
LC50 inhal.	
Further information:	--
Primary irritation	
Inhalation	No acute effects expected.
Skin contact	May cause skin irritation from repeated or prolonged contact
Eye contact	May cause slight irritation
Ingestion	Large amounts may cause diarrhea.
Further information:	--
Chronic toxicity	
Sensitization	no data available
Carcinogenicity	no data available
Mutagenicity	no data available
Reproductive toxicity	no data available
Narcosis	no data available
Further information	--



Date: 10.01.07

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12. ECOLOGICAL INFORMATION

BODs	no data	COD	--
Aquatic toxicity	--	Toxicity to algae	--
Toxicity to fish	--	Toxicity to bacteria	--
Bioaccumulation	no data available		
Mobility	no data available		
Persistence and degradability			

Water pollution class (Germany) WGK:
Further information

13. DISPOSAL CONSIDERATIONS

EWC waste disposal No: --

Waste from residues / unused products

Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in

Compliance with the Environmental Protection (Duty of Care) Regulations 1991. Can be landfilled or incinerated, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.

Contaminated packaging

Fully drained containers which are drop- and scrape- free can be treated as industrial waste, and can possibly be recycled.

14. TRANSPORT INFORMATION

UN/ID No.: N/A

Packaging group: N/A

Labels: N/A

Road/Rail-transport (ADR/RID)

ADR/RID Class: --

Number and letter: --

Danger code: --

Description of the goods:

Non-hazardous polyfunctional fluid

Further information --

Sea transport IMO/MDG

IMDG class: --

Sub risks:

EmS: --

IMDG page: --

MFAG: --

Marine pollutant: not determined

Proper shipping name: N/A

Further information --

Air transport ICAO-TI/IATA-DGR

IATA Class: --

Sub risks:

Packing instruction (passenger aircraft):

Packing instruction (cargo aircraft):

Proper shipping name:

N/A

Other information: --

Date: 10.01.07
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e-CORE® CARBO – LIQ Plus-10

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15. REGULATORY INFORMATION

Labelling according to EC Directives

CAS-No.	EC-No.	INDEX No.	Chemical Name
---------	--------	-----------	---------------

Not available

Symbol(s):

R-phrase(s) None

S-phrase(s) None

Exceptional labelling None

Additional advice

According to Regulation 5 of the CHIPS Regs 1994, the product is not classified as dangerous for supply.

Other national regulations

Water pollution class (Germany) WGK:

VbF class (German regulation) NU

Storage class VCI (Germany) 10/11

Störfallverordnung (Germany) --

TA Luft: class (Germany) --

Swiss toxic class: --

16. OTHER INFORMATION

Contact person

11445 East Via Linda

Suite 2150,

Scottsdale, AZ 85259

Approved 5668-100107

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling use, processing storage, transportation, disposal and release. It is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

\$65/dm

2. Contamination Limits (maximum limit before surcharges apply):

N/A

3. Surcharge Pricing:

None

4. Special Testing Requirements:

None-Be sure fits profile

5. Treatment and Handling Protocol:

Class 1 sludge Box

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. **Tests for Product Recovered/Recycled (if applicable):**

Na

8. **Management for Product Recovered/Recycled (if applicable):**

Na



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 8/21/2008

Dear Ed Cox

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2941

Expiration Date 8/21/2010

Producer: Afton Chemical Corporation

Address:

Suget, IL 62201

Material / Product Information

Name of Material / Product hitec 387 performance additive

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:
out of date product

Color: amber

Odor: slight pungent

pH: neutral

Physical State:

Incompatibilities: strong oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

JB

SECTION 1: Material Producer Information

Company: Afton Chemical Corporation
Address: 501 Monsanto Avenue
City, State, Zip: Suget, IL 66201
Contact: Ed Cox Title:
Phone No: (618) 583-1078 Fax No: (618) 583-1388
24/hr Phone: (618) 583-1078
U.S. EPA I.D. No: na
State I.D. na SIC Code: na

SECTION 2: Billing Information - ☒ Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Material / Product

Name of Material / Product: Witec 387 Performance Additive
Detailed Description of Process Generating or Producing the Material / Product: _____

Out of Date Product

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Amber

Odor: Slight Pungent

Specific Gravity (water=1): 1.264 Density: 8 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size: 55 gal

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly

Number of Units (containers): 17

Other: _____

Proper U.S. DOT Shipping Name:

Product
Combustible Liquids, N.O.S., (Sulfurized olefins) Petroleum distillates

Class: 3

UN/NA: NA1993

PG: III

RQ: 1000 lbs

Flash Point 7140	pH Neutral	N/A	N/A	Solids 1 %
Oil & Grease 455 mg/l	TOC 455 mg/l	Zinc 0 mg/l	Copper 0 mg/l	Nickel 0 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
HITEC 387 Performance Additive (See MSDS)	100	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
HITEC 387 MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Strong Oxidizers

SECTION 8: Material Producer's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>[Signature]</u>	
Date: <u>8-21-08</u>	Approved Rejected
Approval Number: <u>2941</u>	

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

If brought in By CES on PCI back haul: no charge/
no payment.
If brought in by outside transporter at customer expense:
pay \$0.15/gal

2. Contamination Limits (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

Record quantity in each drum. Number each drum
and record amount and product type on inventory
list.

5. Treatment and Handling Protocol:

Once inventory has been given to product sales,
the material will be resold as is, ~~according to~~
directed by product sales person.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

7. Tests for Product Recovered/Recycled (if applicable):

See special testing requirements.

8. Management for Product Recovered/Recycled (if applicable):

See treatment & handling protocol



HiTEC 387 Performance Additive

Material Safety Data Sheet

MSDS No. H387

HiTEC is a trademark owned by Afton Chemical Corporation or one of its subsidiaries.

1. Product and Company Identification

Chemical Family Petrochemical.
Product Use Petrochemical industry: Gear oil additive
CAS No. Mixture.
Validation Date 3 June 2004

In Case of Emergency

1-800-403-0044 (US & Canada)
1-804-648-7727 (International)
32-2-507-20-64 (Europe)

Manufacturer / Supplier

Afton Chemical Corporation
500 Spring St.
Richmond, VA 23219
1-804-788-5800

Afton Chemical Limited
Euro-Tech Centre
London Road, Bracknell, Berkshire
RG12 2UW, England
44 1344-304141

2. Composition and Information on Ingredients

Note: See section 8 for occupational exposure limits and section 11 for LC50/LD50 information.

Substance/Preparation : Preparation

<u>Ingredient Name</u>	<u>CAS No.</u>	<u>Conc. (% w/w)</u>	<u>EU Classification</u>	<u>WHMIS Regulated?</u>
Mineral Oil	Mixture.	30-60	Not controlled under DSD (Europe).	No.

3. Hazards Identification

Notice to Reader

Afton operates a world-wide system for hazard communication. Some hazards shown in Section 3 may apply to non-EU countries and may not result in classification and labeling in the EU. Please see Section 2 and 15 for country specific classification information, and Section 11 for additional details.

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Primary Hazards and Critical Effects : WARNING!
COMBUSTIBLE LIQUID AND VAPOR.
VAPOR MAY CAUSE FLASH FIRE.

Physical/Chemical Hazards : Combustible.

Environmental Hazards : Not classified as dangerous for the environment according to EC criteria.

**Hazardous Material
Information System
(U.S.A.)**

Health	0
Reactivity	0

4. First Aid Measures

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Ingestion : If affected person is fully conscious, give one glass of water to drink. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

Skin Contact : Wash with soap and water. Get medical attention if irritation occurs.

Eye Contact : Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.

EPAHO041000374

5. Fire-Fighting Measures

- Extinguishing Media** : In case of fire, use water spray (fog), foam, dry chemicals, or CO₂.
- Fire-Fighting Procedures** : Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
- Fire/Explosion Hazards** : Combustible liquid and vapor. Vapor may cause fire.
- Hazardous Decomposition Products** : These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...), sulfur oxides (SO₂, SO₃...).
- Flash point** : Closed cup: 85°C (185°F). (Pensky-Martens. Minimum)

6. Accidental Release Measures

- Personal Precautions** : Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5). Do not touch or walk through spilled material.
- Environmental Precautions and Clean-up Methods** : If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Minimize contact of spilled material with soils to prevent runoff to surface waterways.

Note: See section 1 for emergency contact information and section 13 for waste disposal.

7. Handling and Storage

- Handling** : Keep away from heat, sparks and flame. Avoid prolonged or repeated contact with skin. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. To avoid fire, minimize ignition sources.
- Storage** : Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Keep container in a well-ventilated place.

8. Exposure Controls and Personal Protection

- Engineering Controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Personal Protective Equipment

- Respiratory System** : Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s).
- Skin and Body** : Disposable outer garments when there is the potential for contact with the material.
- Hands** : Use chemical resistant, impervious gloves.
- Eyes** : Safety glasses with side shields. Goggles with a face shield may be necessary depending on quantity of material and conditions of use.

Occupational Exposure Limits

<u>Ingredient Name</u>	<u>OEL United States</u>	<u>OEL Canada</u>	<u>OEL Europe</u>
Mineral Oil	ACGIH (United States). TWA: 5 mg/m ³ STEL: 10 mg/m ³ OSHA (United States). TWA: 5 mg/m ³	TWA: 5 mg/m ³ STEL: 10 mg/m ³	EH40 (UK) (Europe, 2002). TWA: 5 mg/m ³ 8 hour(s).

9. Physical and Chemical Properties

- Physical State and Appearance** : Liquid. (Clear.)
- Color** : Amber. (Light.)
- Odor** : Pungent. (Slight.)
- Specific Gravity** : 0.964 at 15.6/15.6°C (target).
- Solubility** : Insoluble in cold water.
- Viscosity** : 7.17cSt at 100°C (target).
- Flash Point** : Closed cup: 85°C (185°F). (Pensky-Martens. Minimum)

10. Stability and Reactivity

Stability : The product is stable.
 Materials to avoid : Strong oxidizing and reducing agents.
 Conditions to avoid : High temperatures, sparks, and open flames.

11. Toxicological Information

Routes of Entry : None known.
 Target Organs : None known.

Acute Effects

Inhalation : Inhalation of oil mist or vapors at elevated temperatures may cause respiratory irritation.
 Ingestion : Not determined.
 Skin Contact : Non-irritating to the skin.
 Eye Contact : Non-irritating to the eyes.

Chronic Effects

Adverse Effects : Not determined.
 Carcinogenic Effects : Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Toxicity Data

<u>Ingredient Name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Not determined.				

Other Information : Not available.

12. Ecological Information

Environmental Hazards : Not classified as dangerous for the environment according to EC criteria. Based on calculation.
 Environmental Fate : This product contains components which may be persistent in the environment.
 Germany water class : Not determined.

13. Disposal Consideration

Waste Handling and Disposal : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport Information

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
DOT Classification	NA1993	Combustible liquids, n.o.s. (Sulfurized olefins, petroleum distillates).	Combustible Liquid.	III		-
TDG Classification	Not regulated.	-	-			-
ADR/RID Class	Not regulated.	-	-			-
IMDG Class	Not regulated.	-	-			-
IATA-DGR Class	Not regulated.	-	-			-

Notice to Reader

The above transport information is provided to assist in the proper classification of this product and may not be suitable for all shipping conditions.

15. Regulatory Information

EU Regulations

Risk Phrases : This product is not classified according to the EU regulations.
Safety Phrases : Not applicable.

US Regulations : No SARA 313 chemicals are present above the reporting threshold.
: SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Fire Hazard
State : California prop. 65: No products were found.

Canadian Regulations

WHMIS (Classification) : Not determined.

International Inventory Status

United States : All components on TSCA Inventory
Canada : All components on DSL
Europe : All components on EINECS
Japan : All components on MITI or MOL
Australia : All components on NICNAS
Korea : All components on ECL
China : All components on IECSC
Philippines : All components on PICCS

16. Other Information

PREPARATION INFORMATION

Validated by HS&E Department (Tel: +1 804 788 5800) on 6/3/2004.

Version : 1

Date of Printing : 6/3/2004.

☑ Indicates information that has changed from previously issued version.

Notice to Reader

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. Afton makes no representation as to completeness or accuracy. In no event will Afton be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

ADDRESS CONTACT INFORMATION

In the United States and Canada:

Afton Chemical Corporation
500 Spring Street
Richmond, Virginia
USA 23219-2183
Telephone number: 804-788-5800

In Singapore:

Afton Chemical Asia Pacific Company
111 Somerset Road #13 - 03
Singapore 238164
Telephone number: 65-6732-0822

In Australia:

Afton Chemical Asia Pacific Company
Level 9, 20 Berry Street
North Sydney, NSW 2060
Australia
Telephone number: 02-9923-1588
Business Hours: 9:00am - 5:00pm

In Europe:

Afton Chemical Limited
Euro-Tech Centre
London Road, Bracknell, Berkshire
RG12 2UW, England
44-1344-304141

In Japan:

Afton Chemical Japan Corporation
Sumitomo Fudosan Sanbancho Bldg. 5F
6-26 Sanbancho, Chiyoda-ku
Tokyo 102-0075 Japan
Emergency phone: 81-3-5210-4890

***** END OF MSDS *****



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

AL

Material / Product Approval Letter

Date 8/21/2008

Dear Ed Cox

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2941

Expiration Date 8/21/2010

Modify

Producer: Afton Chemical Corporation

Address:

Suget, IL 62201

Material / Product Information

Name of Material / Product:

Additives - Toxic

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

out of date product

Color: amber

Odor: slight pungent

pH: neutral

Physical State:

Incompatibilities: strong oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

JB

SECTION 1: Material Producer Information

Company: Afton Chemical Corporation
Address: 501 Monsanto Avenue
City, State, Zip: Suget, IL 66201
Contact: Ed Cox Title:
Phone No: (618) 583-1078 Fax No: (618) 583-1388
24/hr Phone: (618) 583-1078
U.S. EPA ID. No: na
State I.D. na SIC Code: na

SECTION 2: Billing Information – ☒ Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Material / Product

Name of Material / Product: Additive - Toxic
Detailed Description of Process Generating or Producing the Material / Product:

1/1 spec/out of Date Product

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Varies

Odor: varies

Specific Gravity (water=1) varies Density: varies lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size: 55 gal

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly

Number of Units (containers): varies Other:

Produce
Proper U.S. DOT Shipping Name: Environmentally hazardous substance, liquid, n.o.s.

Class: 9

UN/NA: UN 3082

PG: III

RQ:

(contains 2,6-di-tert-butylphenol, Alkoxy
sulfolane) Marine pollutant

Flash Point 2140	3-11	N/A	N/A	Solids 1%
Oil & Grease 45 mg/l	TOC 45 mg/l	Zinc 0 mg/l	Copper 0 mg/l	Nickel 0 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
It consists of the following materials		Ranges are acceptable	or %
Fuel Additive		100	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

See MSDS in shared drive: Customer MSDS: Atton

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Strong Oxidizers

SECTION 8: Material Producer's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: None required - product Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>[Signature]</u>	
Date: <u>8-21-08</u>	Approved Rejected
Approval Number: <u>2941</u>	

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

If brought in By CES on PCI back haul: no charge/
no payment.
If brought in by outside transporter at customer expense:
pay \$0.15/gal Pay \$,019/round.

2. Contamination Limits (maximum limit before surcharges apply):

If the drums are damaged and in an overpack and operations
decides too many man hours are used to recover materials
then there will be no payment.

3. Surcharge Pricing:

4. Special Testing Requirements:

Record quantity in each drum. Number each drum
and record amount and product type on inventory
list. ~~add a copy of the order. The lab will need to generate
an invoice for total gallons received. Test density, pH. On inventory
be sure to record the gallons received.~~

5. Treatment and Handling Protocol:

Once inventory has been given to product sales,
the material will be resold as is, ~~according to~~
directed by product sales person.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

7. Tests for Product Recovered/Recycled (if applicable):

~~See~~ Special testing requirements.

8. Management for Product Recovered/Recycled (if applicable):

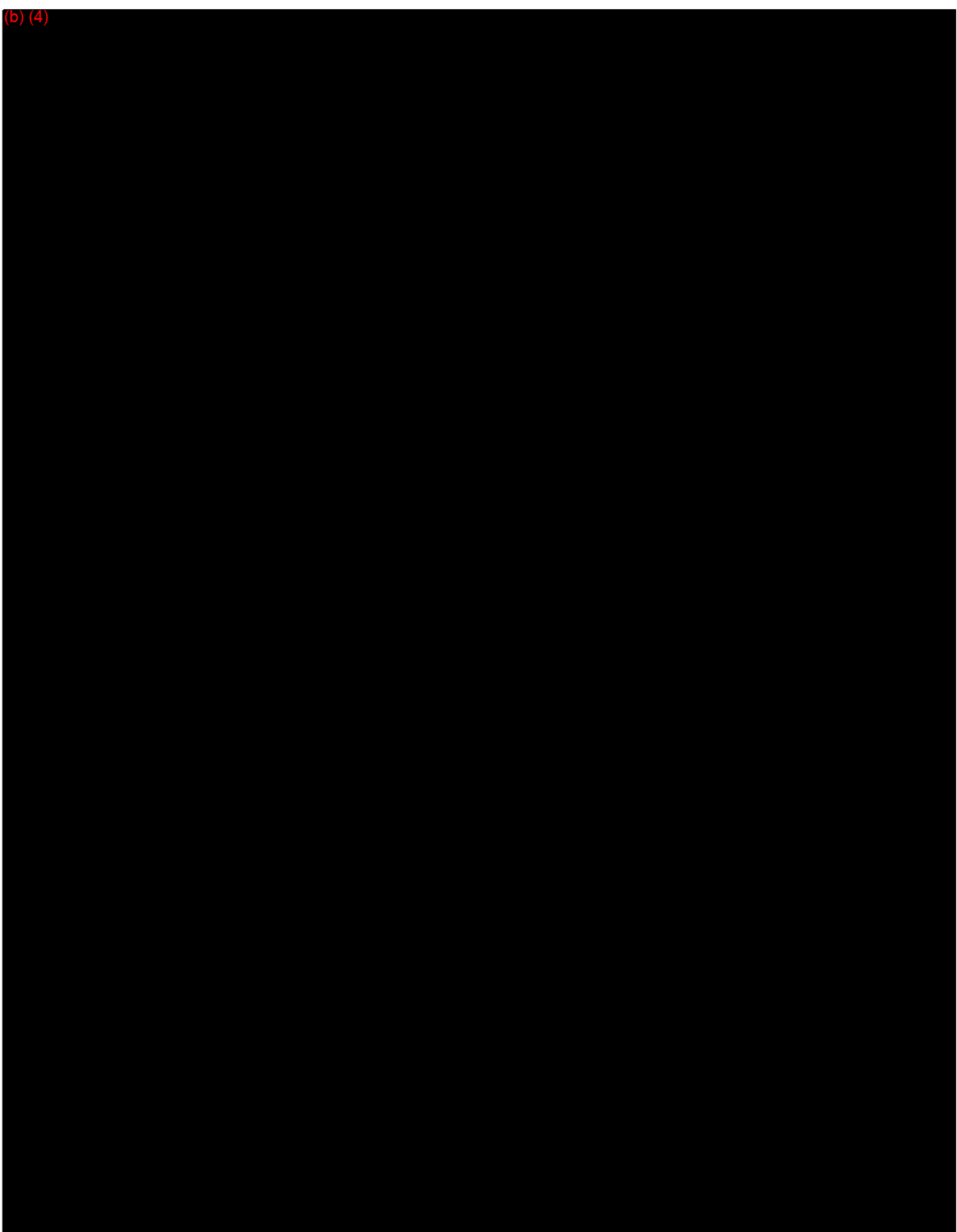
~~See~~ treatment & handling protocol



One example
Material Safety Data Sheet

(b) (4)

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*** END OF MSDS ***

Material / Product Approval Letter

Date 8/22/2008

Dear Ed Cox

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2945

Expiration Date 8/21/2010

Producer: Afton Chemical Corporation

Address:

Suget, IL 62201

Material / Product Information

Name of Material / Product hitec 307 performance additive

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

out of date product

Color: clear

Odor: pungent

pH: neutral

Physical State:

Incompatibilities: strong oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

JB

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Material Producer Information

Company: Afton Chemical Corporation
Address: 501 Monsanto Avenue
City, State, Zip: Suget, IL 66201
Contact: Ed Cox Title:
Phone No: (618) 583-1078 Fax No: (618) 583-1388
24/hr Phone: (618) 583-1078
U.S. EPA I.D. No: na
State I.D. na SIC Code: na

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Material / Product

Name of Material / Product: Nitec 307 Performance Additive
Detailed Description of Process Generating or Producing the Material / Product: _____

out of date product

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: clear

Odor: Pungent

Specific Gravity (water=1): 1 Density: 8.32 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 gal

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly

Number of Units (containers): 1 Other: _____

Proper U.S. DOT Shipping Name: Product Combustible Liquids, N.O.S., (Sulfurized olefins)

Class: 3 UN/NA: NA1993 PG: III RQ: 1000 lbs

Flash Point 7140	pH Neutral	N/A	N/A	Solids 1 %
Oil & Grease 71500 mg/l	TOC 61500 mg/l	Zinc 0 mg/l	Copper 0 mg/l	Nickel 0 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
HiTec 307 Performance Additive (See MSDS)	100	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
HiTEC 307 MSDS

SECTION 7: Incompatibilities


Please list all incompatibilities (if any):
Strong Oxidizers

SECTION 8: Material Producer's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u></u>	
Date: <u>8-21-08</u> Approved Rejected	
Approval Number: <u>2945</u>	

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

If brought in By CES on PCI back haul: no charge/
no payment.
If brought in by outside transporter at customer expense:
pay \$0.15/gal

2. Contamination Limits (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

Record quantity in each drum. Number each drum
and record amount and product type on inventory
list.

5. Treatment and Handling Protocol:

Once inventory has been given to product sales,
the material will be resold as is, ~~according to~~
directed by product sales person.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

7. Tests for Product Recovered/Recycled (if applicable):

See Special testing requirements

8. Management for Product Recovered/Recycled (if applicable):

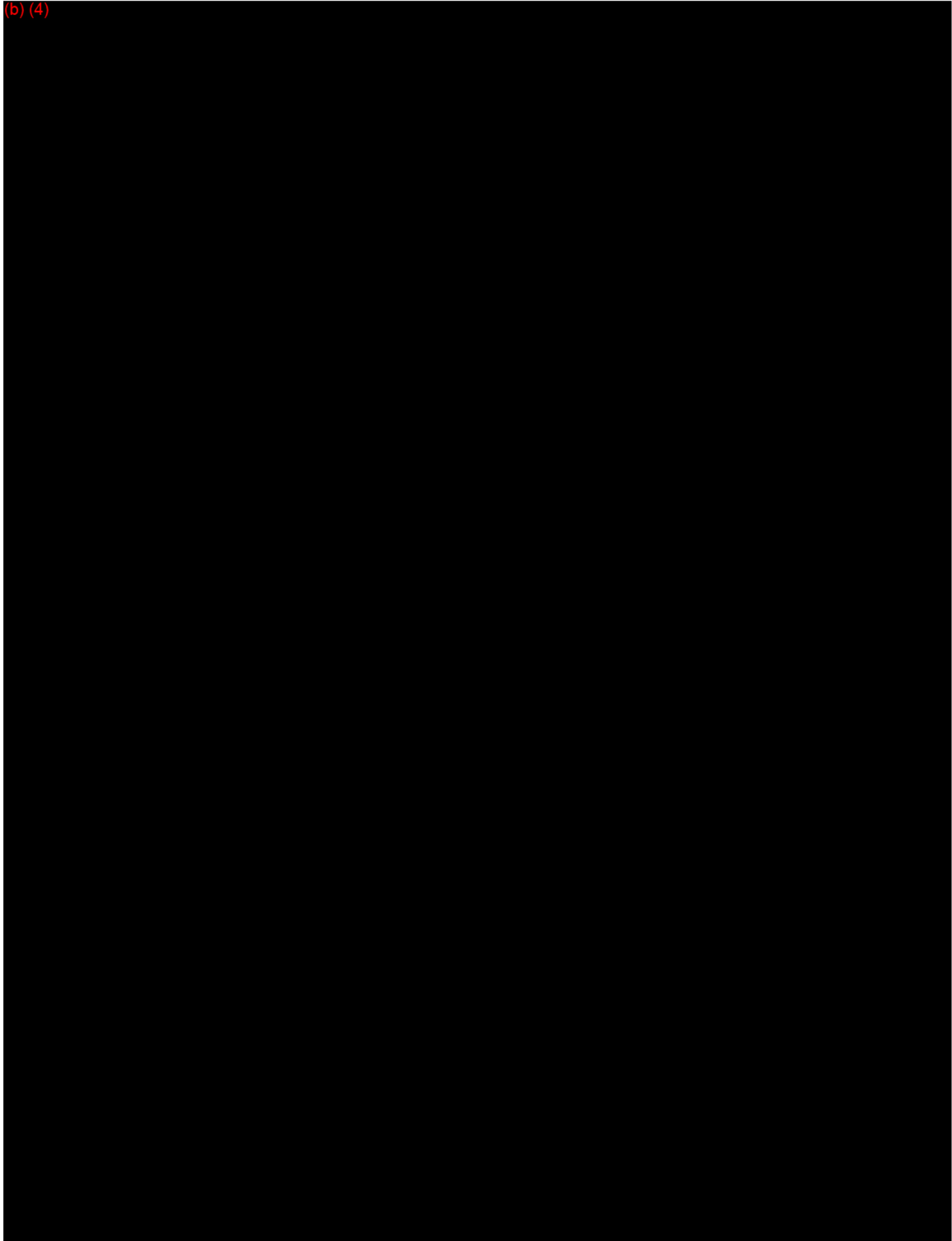
See treatment & handling protocol

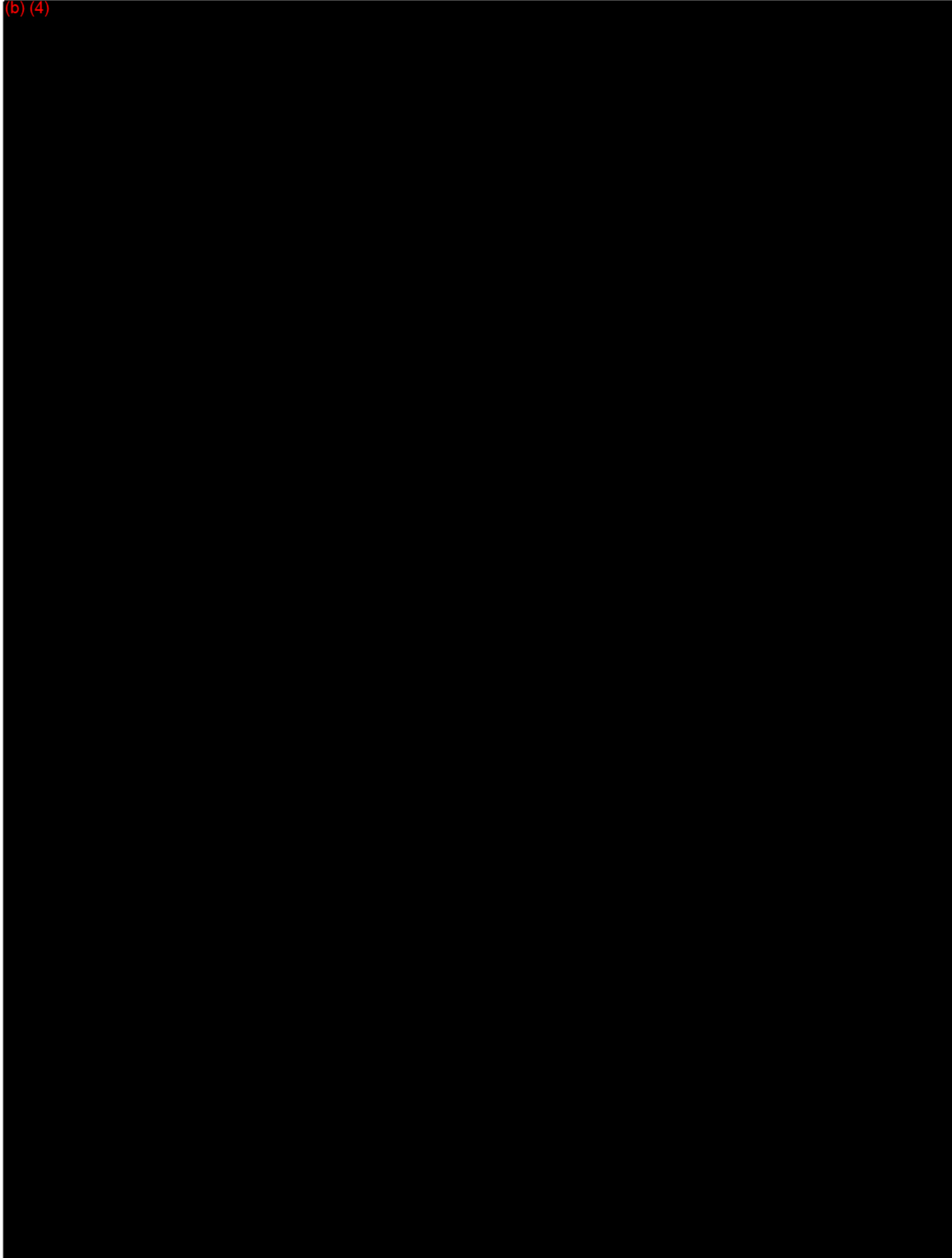


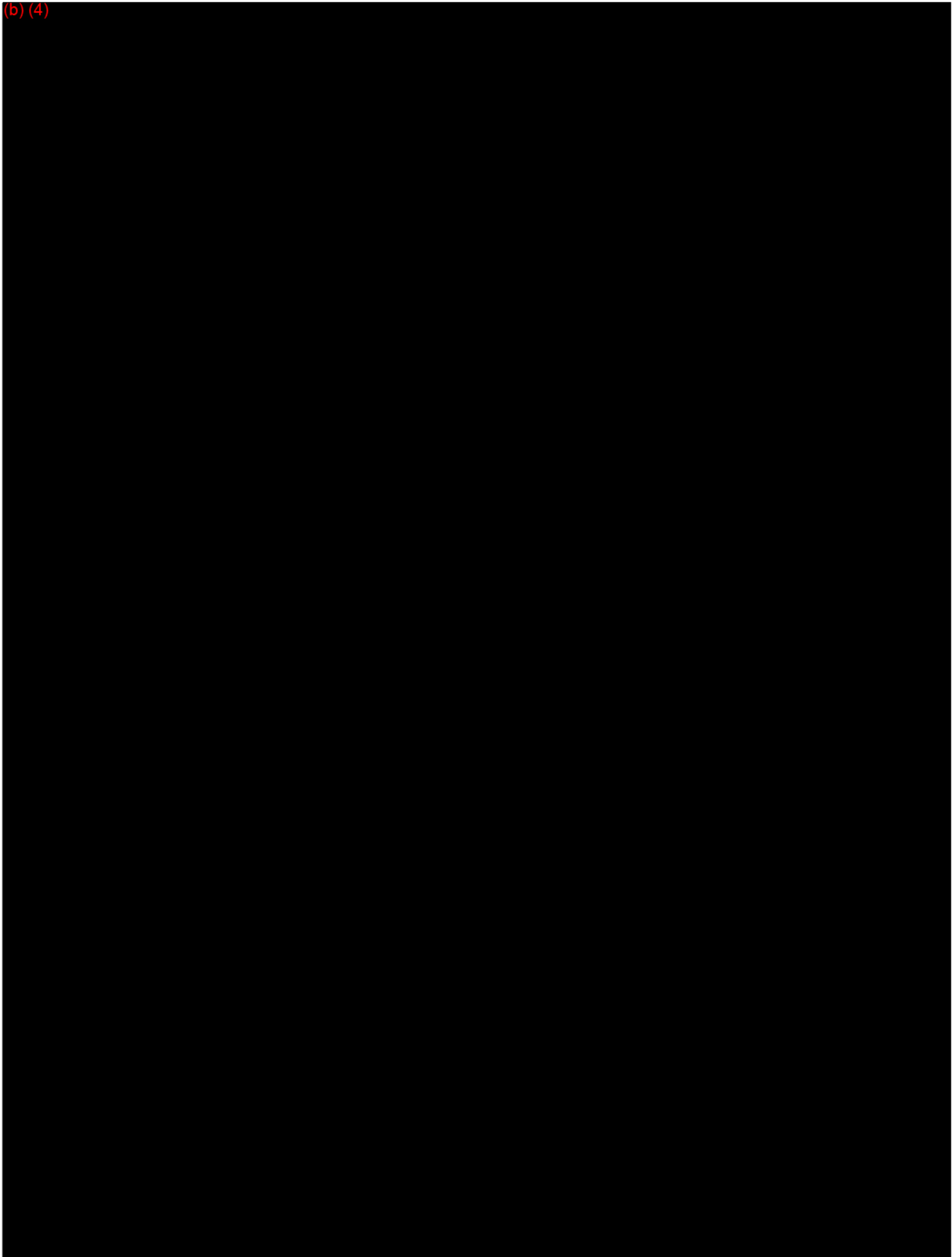
Material Safety Data Sheet

(b) (4)

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(b) (4)



*** END OF MSDS ***



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 8/22/2008

Dear Ed Cox

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

Modified

CES Profile # 2945

Expiration Date 8/21/2010

Producer: Afton Chemical Corporation

Address:

Suget, IL 62201

Material / Product Information

Name of Material / Product Additives - Combustible

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

out of date product

Color: clear

Odor: pungent

pH: neutral

Physical State:

Incompatibilities: strong oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO041000400



**CES Environmental
Services, Inc.**

JB

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Material Producer Information

Company: Afton Chemical Corporation
Address: 501 Monsanto Avenue
City, State, Zip: Suget, IL 66201
Contact: Ed Cox Title:
Phone No: (618) 583-1078 Fax No: (618) 583-1388
24/hr Phone: (618) 583-1078
U.S. EPA I.D. No: na
State I.D. na SIC Code: na

SECTION 2: Billing Information - ☒ Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Material / Product

Name of Material / Product: Additive - Combustible
Detailed Description of Process Generating or Producing the Material / Product: off-spec / out of date product

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: _____

Odor: _____

Specific Gravity (water=1) _____ Density _____ /gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 gal

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly

Number of Units (containers): _____ Other: _____

Produce
Proper U.S. DOT Shipping Name: Combustible Liquids, N.O.S., (Sulfurized olefins)

Class: 3 UN/NA: NA1993 PG: III RQ: 1000 lbs

Flash Point ≤ 200°F	pH 3-11	N/A	N/A	Solids ≤ 1%
Oil & Grease 71500 mg/l	TOC ≤ 1500 mg/l	Zinc 0 mg/l	Copper 0 mg/l	Nickel 0 mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
see MSDS		
Performance / Fuel Additive	100	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

see MSDS on shared drive: Customer MSDS: Afton

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Strong Oxidizers

SECTION 8: Material Producer's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: No signature req'd - product Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>[Signature]</u>	
Date: <u>8-21-08</u>	Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>
Approval Number: <u>2945</u>	

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

If brought in By CES on PCI back haul: no charge/
no payment.
If brought in by outside transporter at customer expense:
pay \$0.15/gal Pay \$0.19/gal ~~per~~ pound

2. Contamination Limits (maximum limit before surcharges apply):

If drums are damaged and are in an overpack and operating
determines too many man hours are used to recover the
material then there will be no ~~the~~ payment.

3. Surcharge Pricing:

4. Special Testing Requirements:

Record quantity in each drum. Number each drum
and record amount and product type on inventory
list. Bring to total gallons to the top & record them a copy of the
order. The top will need to do an inbound for total gallons
Be sure to do an inbound to show total gallons received.

5. Treatment and Handling Protocol:

Once inventory has been given to product sales,
the material will be resold as is, according to
directed by product sales person.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

7. Tests for Product Recovered/Recycled (if applicable):

See Special testing requirements

8. Management for Product Recovered/Recycled (if applicable):

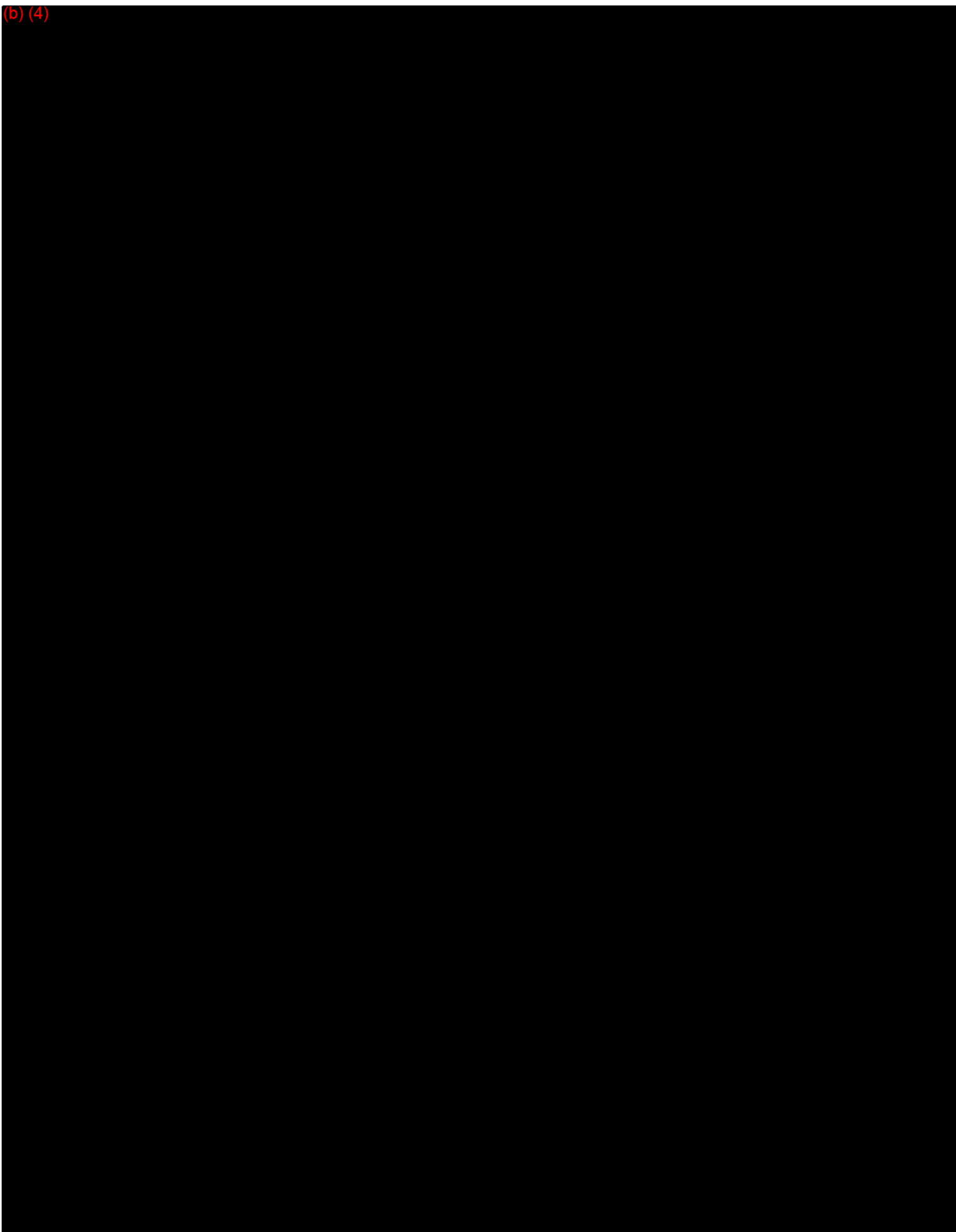
See treatment & handling protocol

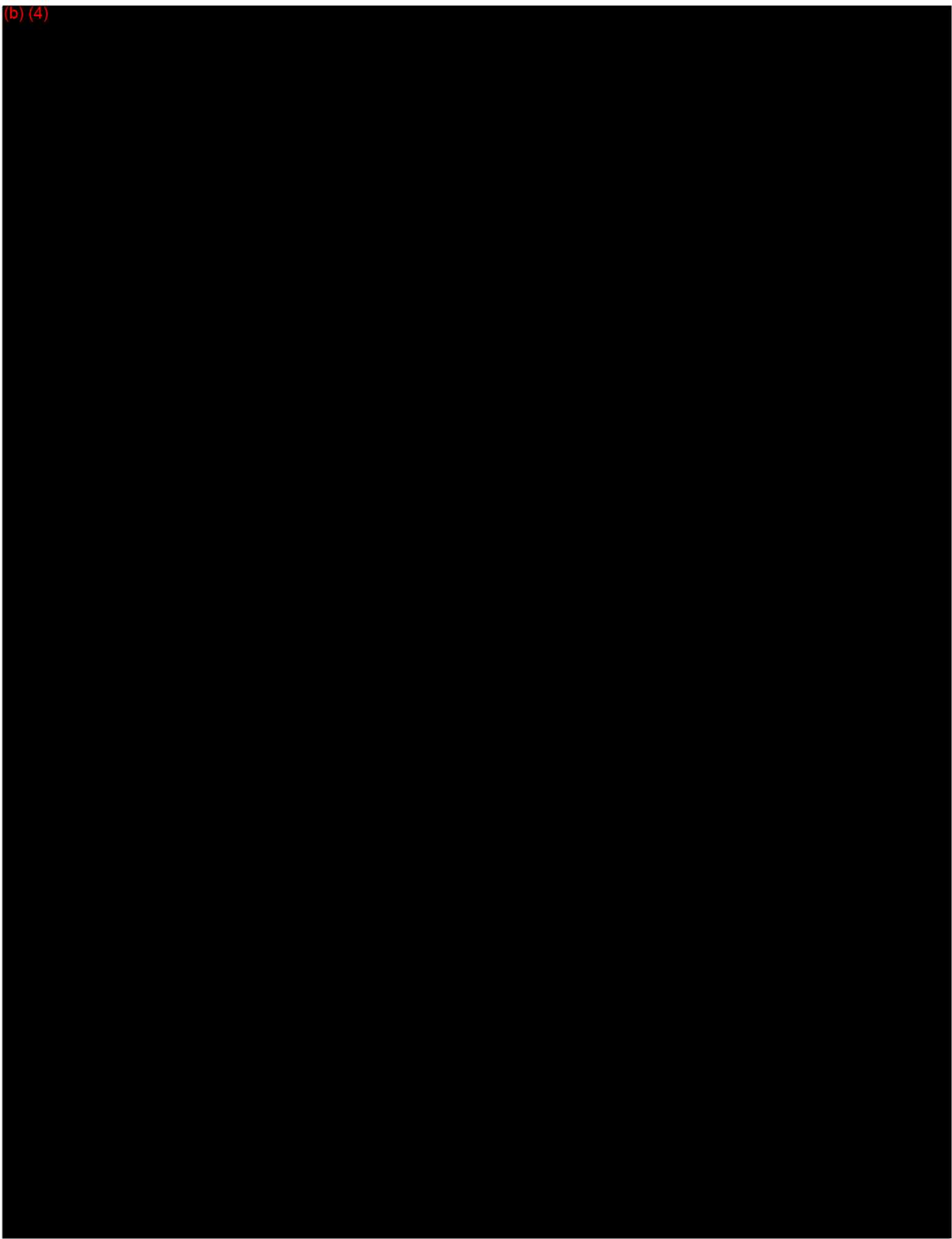


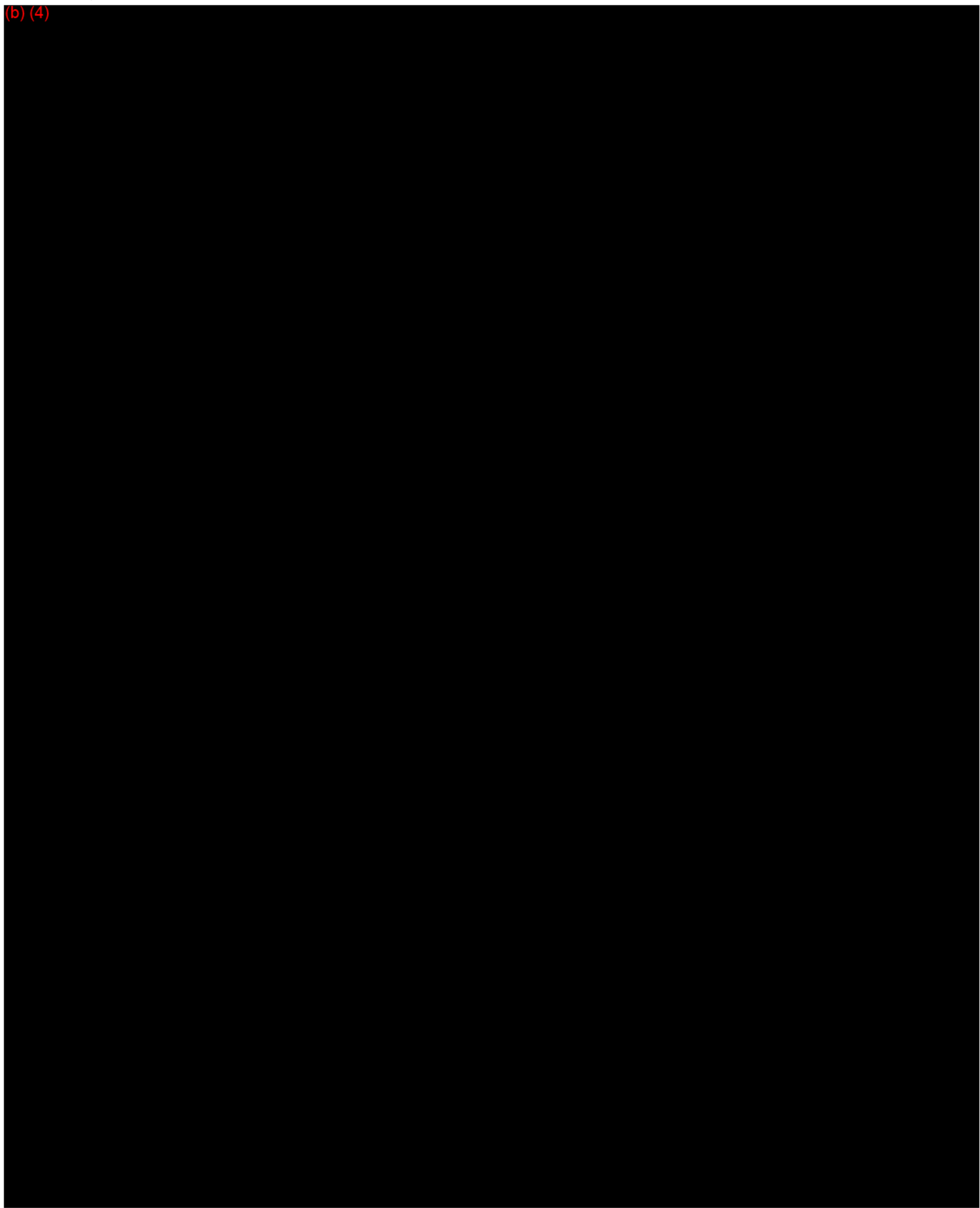
One example
Material Safety Data Sheet

(b) (4)

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(b) (4)



*** END OF MSDS ***



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 9/9/2008

Dear Ed Cox

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2981

Expiration Date 9/9/2010

Producer: Afton Chemical Corporation

Address:

Suget, IL 62201

Material / Product Information

Name of Material / Product Afton viscosity modifier

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Afton viscosity modifier

Color: varies

Odor: varies

pH: 3-11

Physical State:

Incompatibilities: strong oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

LR



**CES Environmental
Services, Inc.**

JB

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Material Producer Information

Company: Afton Chemical Corporation
Address: 501 Monsanto Avenue
City, State, Zip: Suget, Il 66201
Contact: Ed Cox Title:
Phone No: (618) 583-1078 Fax No: (618) 583-1388
24/hr Phone: (618) 583-1078
U.S. EPA I.D. No: na
State I.D. na SIC Code: na

SECTION 2: Billing Information - ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Material / Product

Name of Material / Product: Afton Viscosity Modifier
Detailed Description of Process Generating or Producing the Material / Product: _____

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: varies Odor: varies

Specific Gravity (water=1): varies Density: varies lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 gal _____

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): varies Other: _____

Produce
Proper U.S. DOT Shipping Name: Non RCRA Non DOT Regulated Material

Class: na UN/NA: na PG: na RQ: na

Flash Point 220°F	pH 3-11	N/A	N/A	Solids 4%
Oil & Grease 21500 mg/l	TOC NA mg/l	Zinc NA mg/l	Copper NA mg/l	Nickel NA mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
(see MSDS)		
Viscosity Modifier	100	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

See MSDS on shared drive : Customer MSDS : Afton

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Strong Oxidizers

SECTION 8: Material Producer's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: None required - product Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>[Signature]</u>	
Date: <u>9-9-08</u>	Approved <input checked="" type="radio"/> Rejected <input type="radio"/>
Approval Number: <u>2981</u>	

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

Pay \$0.15/gal FOB CES
No charge / No payment if backhauled by CES
Pay \$.019/pound

2. Contamination Limits (maximum limit before surcharges apply):

If damaged drums are in an overpack and operations determines that too many man hours are needed to recover the materials then there will be no payment.

3. Surcharge Pricing:

4. Special Testing Requirements:

Pull retain sample. Record drum number and quantity on drum inventory and give to product sales.

5. Treatment and Handling Protocol:

~~Either~~ Communicate with product sales person to determine if material needs to be bulked or sold-as-is. If needs to be bulked, dehead drums and bulk into 55 gal containers. Notify product sales when ready to ship. Scrape drums before shredding

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C

7. **Tests for Product Recovered/Recycled (if applicable):**

See special testing

8. **Management for Product Recovered/Recycled (if applicable):**

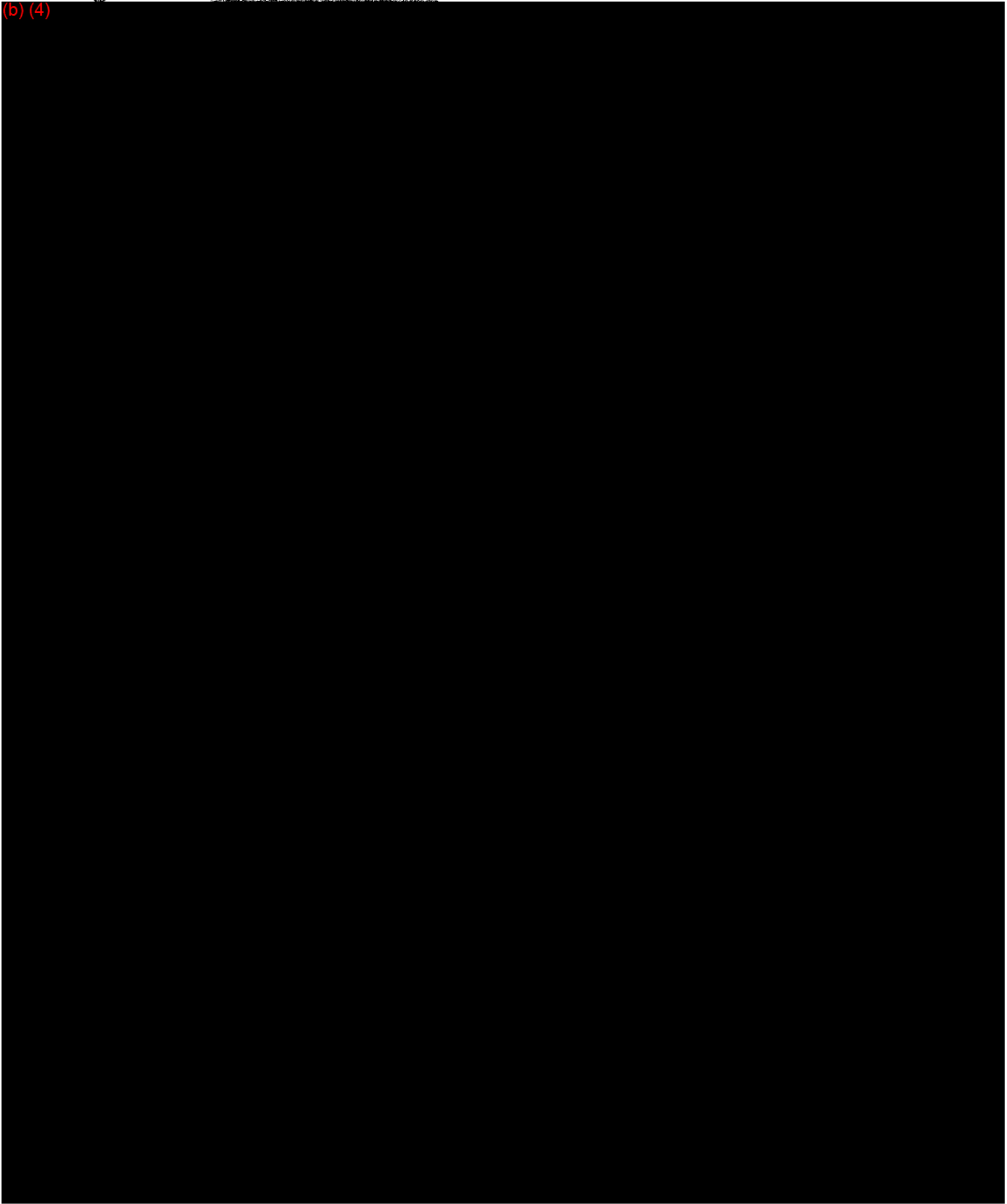
see treatment and handling protocol

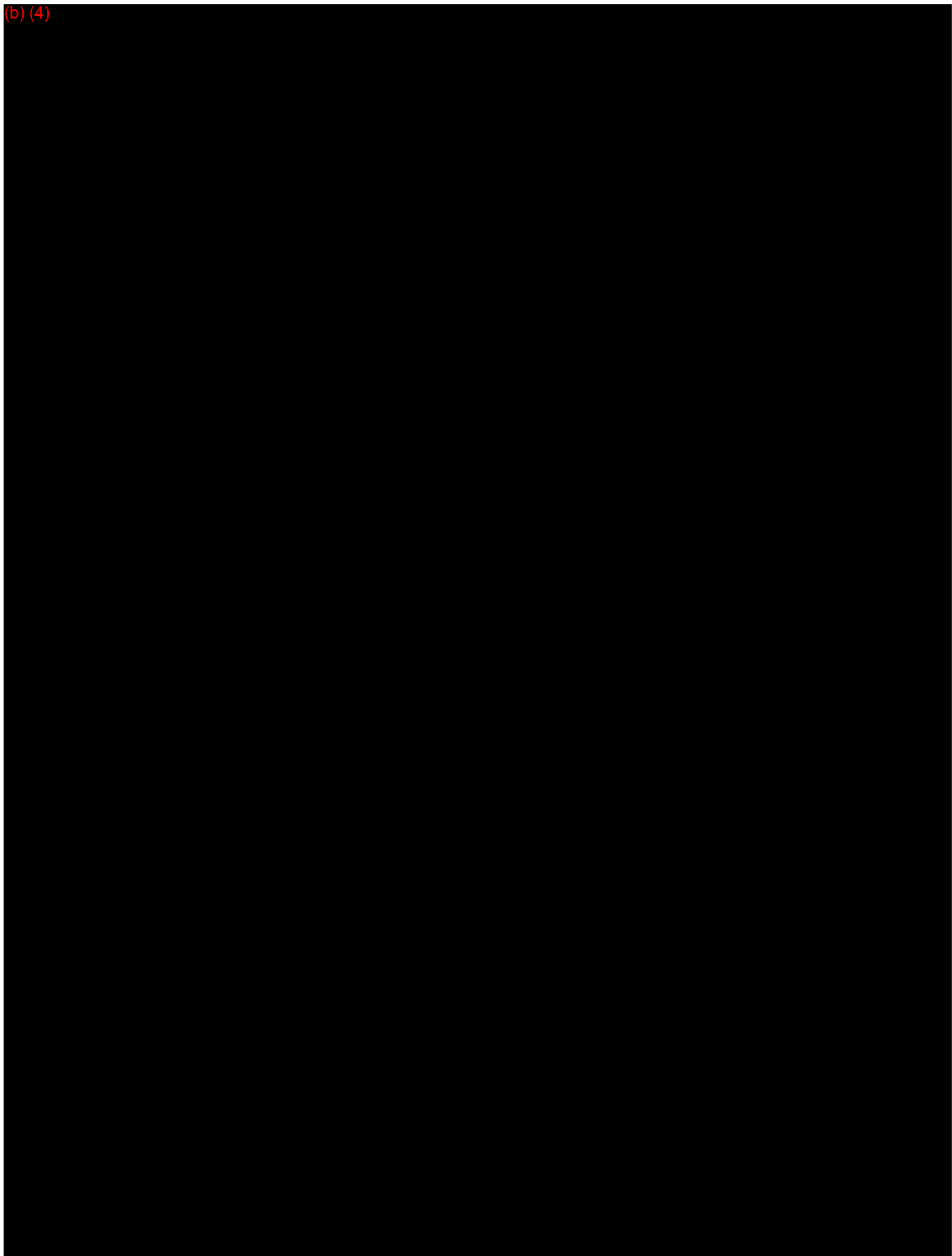
One example

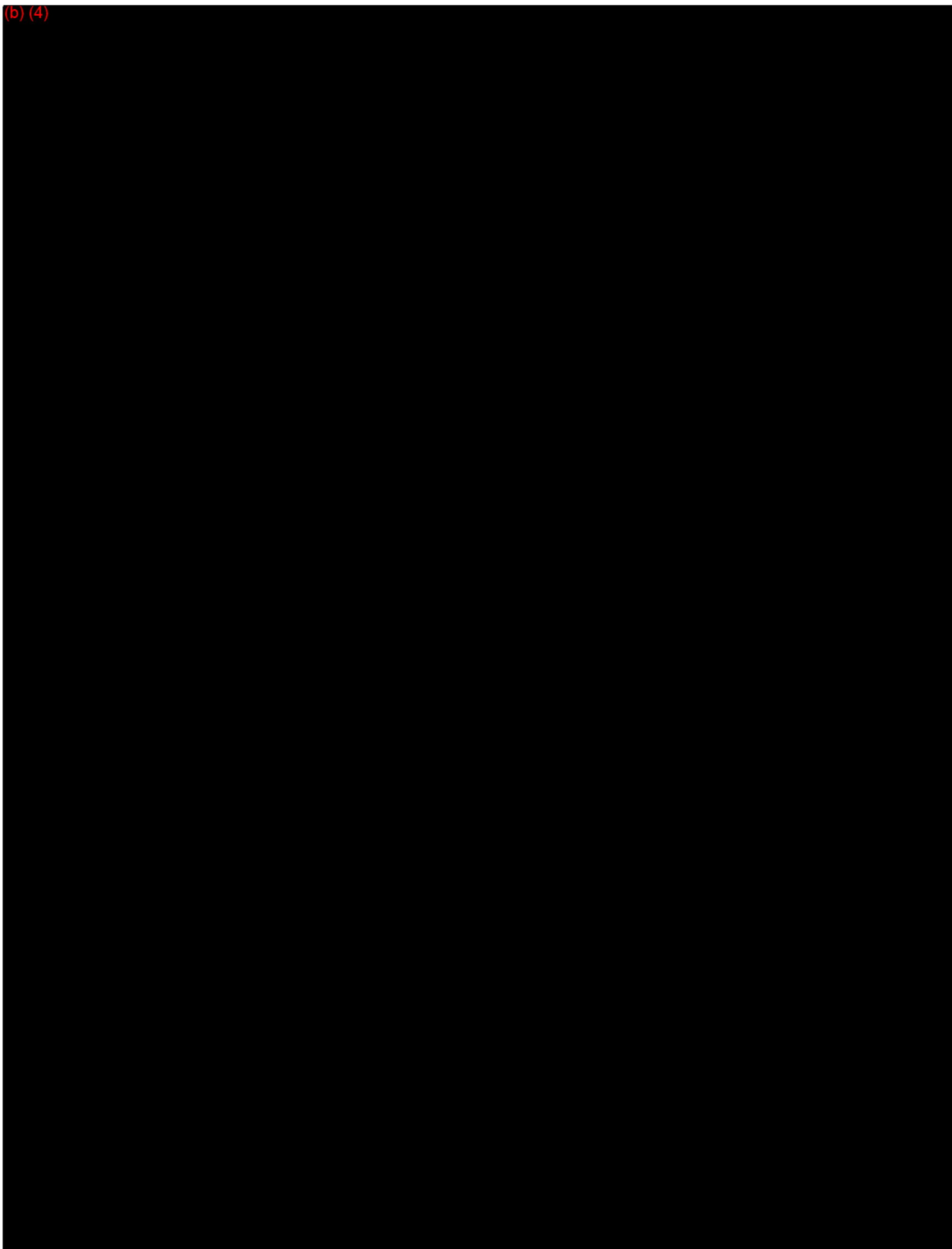


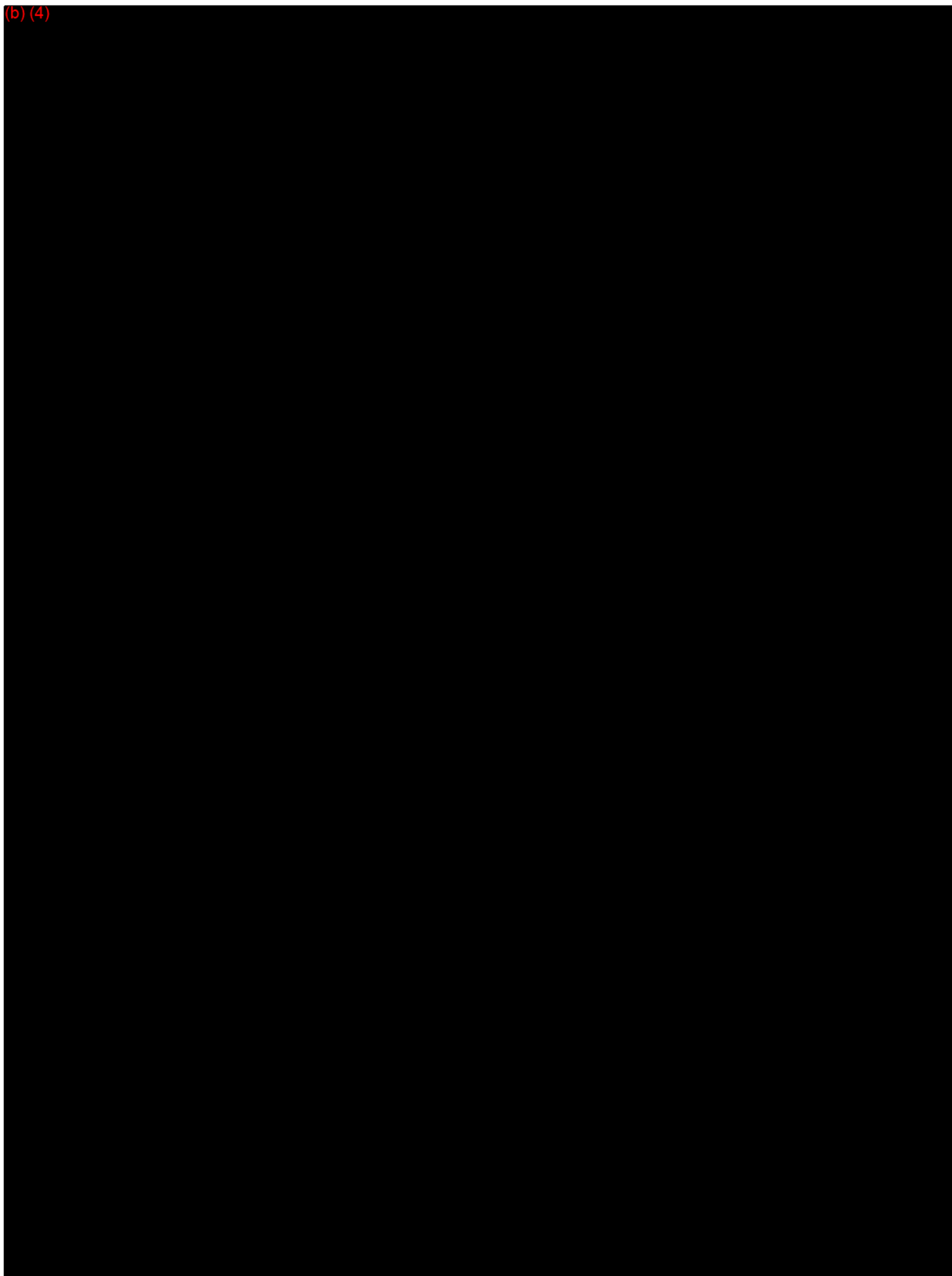
Material Safety Data Sheet

(b) (4)









(b) (4)



*** END OF MSDS ***



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 9/9/2008

Dear Ed Cox

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2982

Expiration Date 9/9/2010

Producer: Afton Chemical Corporation

Address:

Suget, IL 62201

Material / Product Information

Name of Material / Product Afton viscosity modifier w/flush oil

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Afton viscosity modifier w/flush oil

Color: varies

Odor: varies

pH: 3-11

Physical State:

Incompatibilities: strong oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DP



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

JB

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Material Producer Information

Company: Afton Chemical Corporation
Address: 501 Monsanto Avenue
City, State, Zip: Suget, IL 66201
Contact: Ed Cox Title:
Phone No: (618) 583-1078 Fax No: (618) 583-1388
24/hr Phone: (618) 583-1078
U.S. EPA I.D. No: na
State I.D. na SIC Code: na

SECTION 2: Billing Information – ☒ Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Material / Product

Name of Material / Product: Afton Viscosity Modifier w/ flush oil
Detailed Description of Process Generating or Producing the Material / Product: _____

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: varies Odor: varies

Specific Gravity (water=1): varies Density: _____ lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☐ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☐ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 gal

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): varies Other: _____

Produce
Proper U.S. DOT Shipping Name:

Non RCRA Non DOT Regulated Material

Class: na UN/NA: na PG: na RQ: na

Flash Point <u>7200°F</u>	pH <u>3-11</u>	N/A	N/A	Solids <u><1</u> %
Oil & Grease <u>21500</u> mg/l	TOC <u>NA</u> mg/l	Zinc <u>NA</u> mg/l	Copper <u>NA</u> mg/l	Nickel <u>NA</u> mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
(Neutral Oil w/ Viscosity Modifier)	100	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

See MSDS in shared drive: Customer MSDS: Afton

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Strong Oxidizers

SECTION 8: Material Producer's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>Robert D. [Signature]</u>	
Date: <u>9-9-08</u> Approved Rejected	
Approval Number: <u>2982</u>	

1. Base Pricing (including freight):

Pay \$0.15 FOB CES.
No Payment / No charge for backhauled loads by CES. Pay \$0.019 / pound

2. Contamination Limits (maximum limit before surcharges apply):

Very thick material. If operations management thinks this material is so thick to consume too many man hours then there may be no payment for material. If damaged drums are in our packs + operations determines too many man hours need there will be no payment.

3. Surcharge Pricing:

4. Special Testing Requirements:

Pull retain sample. If thin enough in consistency, the material should be bulked into CES base oil. ~~Record~~ Record consistency, volume, and drum inventory and report to product sales. ~~Record has thick this material is. Do an attempt to record the gallonage.~~

5. Treatment and Handling Protocol:

Process as base oil according to product sales and operations manager determination. Material is very thick + viscous. Have product sales and ops. manager look at sample.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

--

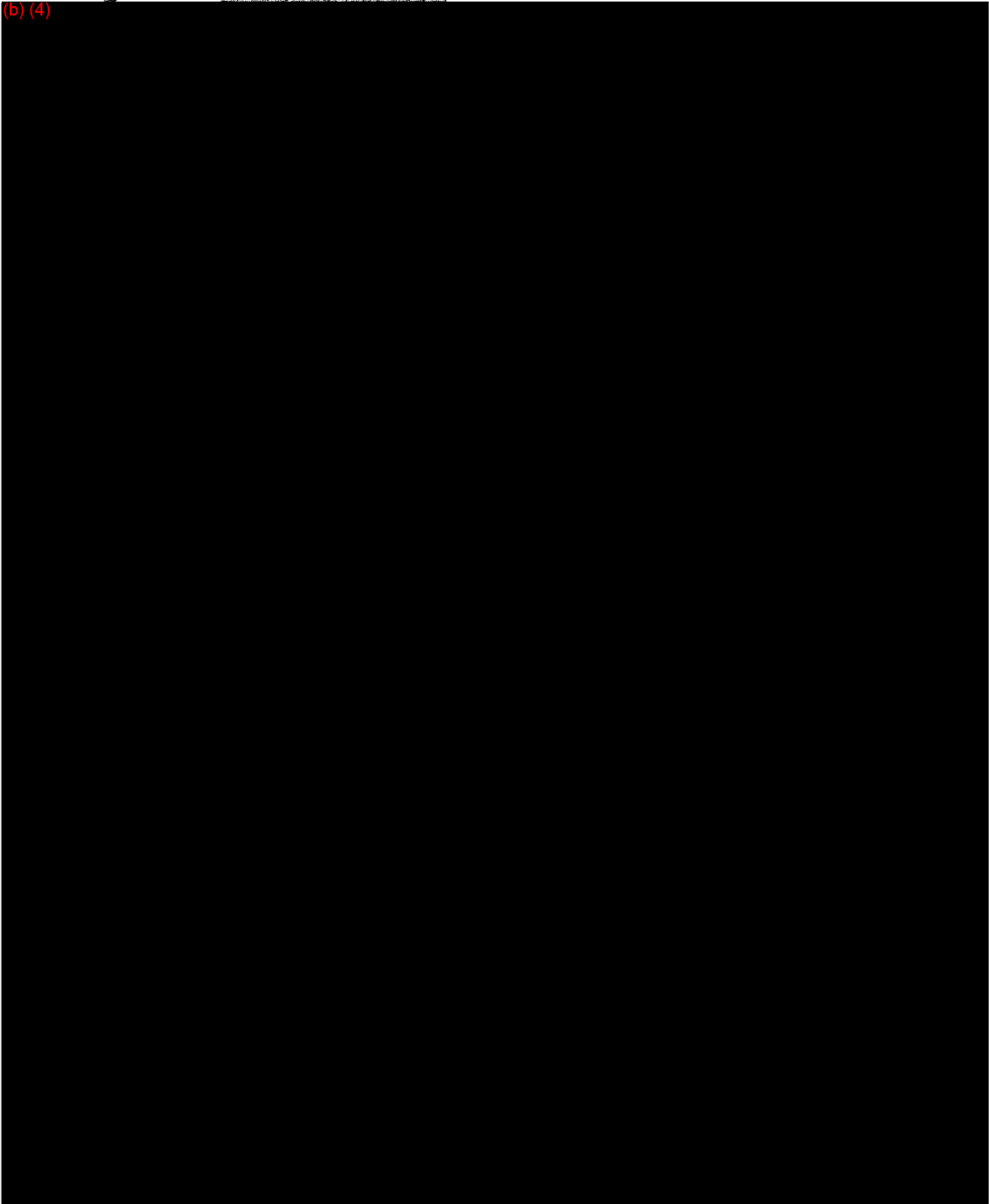
8. Management for Product Recovered/Recycled (if applicable):

--

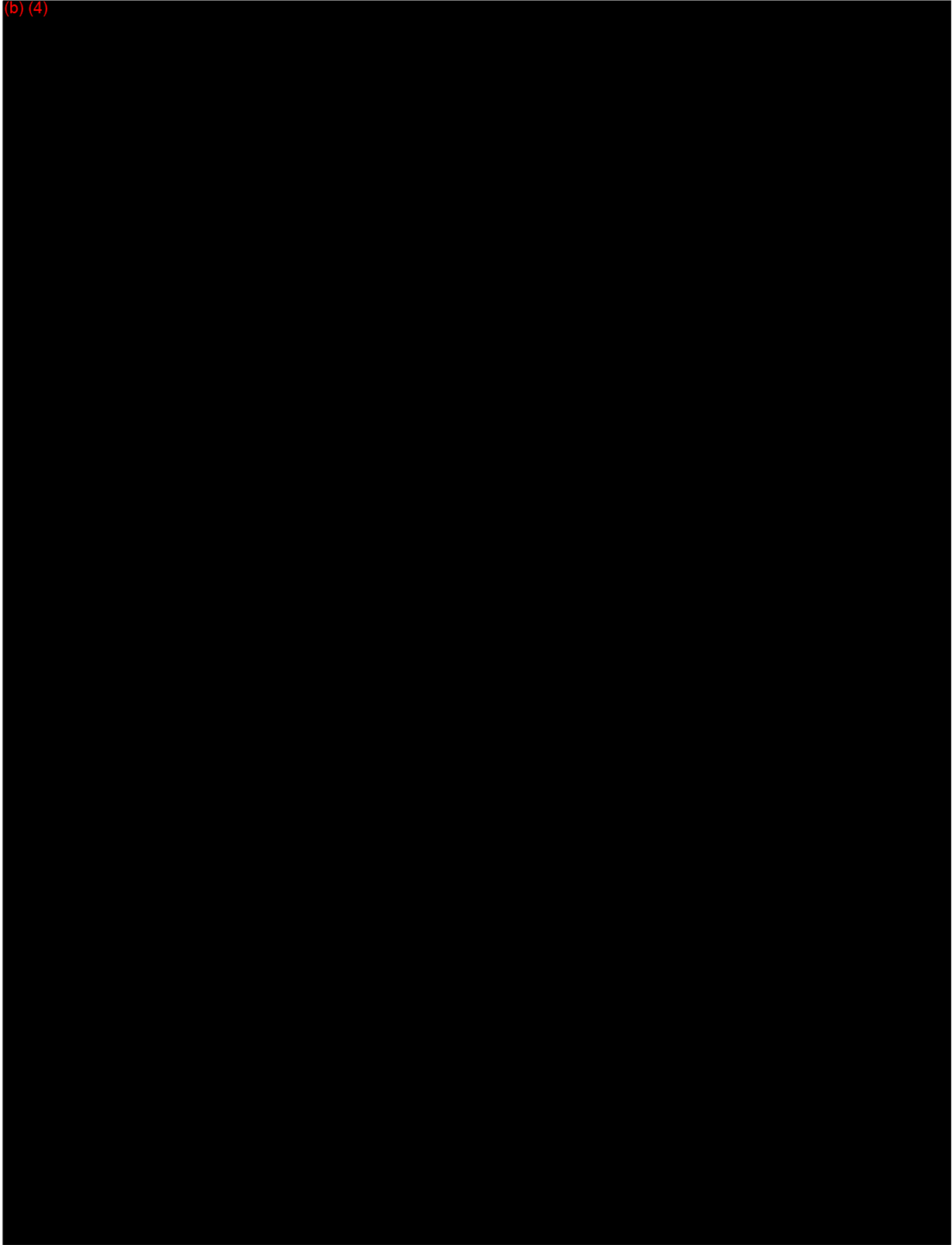


Give example
Material Safety Data Sheet

(b) (4)







(b) (4)



*** END OF MSDS ***

Material / Product Approval Letter

Date **10/7/2008**

Dear **Ed Cox**

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3022

Expiration Date 10/7/2010

Producer: Afton Chemical Corporation

Address:

Suget, IL 62201

Material / Product Information

Name of Material / Product Additives - Flammable, corrosive

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Off-spec / out of date product

Color: brown

Odor: phenol like

pH: <2.5 or >12.5

Physical State:

Incompatibilities: Strong oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

10-6-08

**CES Environmental
Services, Inc.**

JB/AL

☐ CES Environmental Services – Houston Facility
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

☒ CES Environmental Services – Port Arthur Facility
2420 S. Gulfway Drive, Port Arthur, TX 77641
Phone: (713) 676-1460 Fax: (713) 676-1676
U.S. EPA ID No: TXR000079307 ISWR No: 88585

SECTION 1: Material Producer Information

Company: Afton Chemical Corporation
Address: 501 Monsanto Avenue
City, State, Zip: Suget, IL 62201
Contact: Edward Cox Title:
Phone No: (618) 583-1078 Fax No: (618) 583-1078
24/hr Phone:
U.S. EPA I.D. No:
State I.D. SIC Code:

SECTION 2: Billing Information – ☒ Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Material / ProductName of Material / Product: Additives- Flammable, CorrosiveDetailed Description of Process Generating or Producing the Material / Product: off spec / out of date product

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: BrownOdor: phenol likeSpecific Gravity (water=1): 1.05Density: 8-9 lbs/galDoes this material contain any total phenolic compounds? ☐ Yes ☒ NoDoes this material contain any para substituted phenolic compounds? ☐ Yes ☒ NoLayers: ☒ Single-phase ☐ Multi-phaseContainer Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)Container Size: 55 galFrequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ YearlyNumber of Units (containers): 10 Other: ProductProper U.S. DOT Shipping Name: Flammable liquid, Corrosive, N.O.S. (alkaryl phosphate)Class: 3(8) UN/NA: UN 2924 PG: PG III RQ: 1000 lbs

Flash Point <140	pH <2.5 or >12.5	N/A	N/A	Solids 0%
Oil & Grease >1500mg/l	TOC <1500mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
See MSDS - Hitec	Additives	100	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
Standard

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
See MSDS on shared drive: Customer MSDS: Afton

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Strong Oxidizers

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: [Signature] Date: 10/6/08

Printed Name/Title: Product. Auth. Rep for Generator

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>[Signature]</u>	
Date: <u>10-7-08</u>	<input checked="" type="radio"/> Approved <input type="radio"/> Rejected
Approval Number: <u>3022</u>	

1. Base Pricing (including freight):

if brought by CES on back haul - no charge no pmt. If brought in by
Outside trans At customer expense pay 15 cents/gal

2. Contamination Limits (maximum limit before surcharges apply):

If Drums Are Damaged And Are in an overpack And operations
determines too many man hours are used to recover material
then there will be no payment

3. Surcharge Pricing:

4. Special Testing Requirements:

Record quantity in each drum. Number each drum And record Amount
And product type on inventory list.

5. Treatment and Handling Protocol:

Once inventory has been given to product sales. the material will be
resold AS is AS directed by product sales person to established
outlet

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C

7. Tests for Product Recovered/Recycled (if applicable):

8. Management for Product Recovered/Recycled (if applicable):



Material
Safety Data Sheet

(b) (4)

A large black rectangular redaction box covers the majority of the page content, starting below the header and ending above the footer. The text "(b) (4)" is printed in red at the top left corner of this redacted area. On the right edge of the redacted area, there are three small, empty rectangular boxes stacked vertically.

(b) (4)



(b) (4)



(b) (4)



(b) (4)



*** END OF MSDS ***

(b) (4)





4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date **10/20/2008**

Dear **Edwin Anderson**

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3033

Expiration Date 10/20/2010

Producer: Southwest Shipyard
Address: 18310 Market Street
Channelview, TX 77530

Material / Product Information

Name of Material / Product Sulfuric acid

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Unused sulfuric acid

Color: clear

Odor: none

pH: <2

Physical State:

Incompatibilities: reacts violently with water, potassium perchlorate, KMnO₄, sodium, lithium, bases, organic material, halogens, metal acetylides, oxides and hydrides, metals (yields H₂ gas), strong oxidizing agents and many other reactive substances.

Safety Related Data/Special Handling:

wear impervious protective clothing, including boots, gloves, coveralls and chemical safety glasses

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO041000442



CES Environmental
Services, Inc.

GB/AL

☐ CES Environmental Services – Houston Facility
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

☒ CES Environmental Services – Port Arthur Facility
2420 S. Gulfway Drive, Port Arthur, TX 77641
Phone: (713) 676-1460 Fax: (713) 676-1676
U.S. EPA ID No: TXR000079307 ISWR No: 88585

SECTION 1: Material Producer Information

Company: Southwest Shipyard
Address: 18310 Market Street
City, State, Zip: Channelview, TX 77530
Contact: Edwin Anderson Title:
Phone No: (281) 860-3200 Fax No: (281) 860-3215
24/hr Phone: (281) 860-3200
U.S. EPA I.D. No: TXD000820274
State I.D. 32108 SIC Code:

SECTION 2: Billing Information – ☐ Same as Above

Company: Southwest Shipyard
Address: P.O. Box 24309
City, State, Zip: Houston, TX 77229-4309
Contact: Edwin Anderson Title:
Phone No: (281) 860-3200 Fax No: (281) 860-3215

SECTION 3: General Description of the Material / Product

Name of Material / Product: Sulfuric Acid

Detailed Description of Process Generating or Producing the Material / Product: Unused sulfuric acid

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Clear

Odor: none

Specific Gravity (water=1): 1.4

Density: 9 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: _____

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly

Number of Units (containers): 4 Other: _____

Proper U.S. DOT Shipping Name: Sulfuric acid (with not more than 51% acid)

Class: 8 UN/NA: UN2796 PG: II RQ: 200-liters 1000

Flash Point ≥200	pH ≤2	N/A	N/A	Solids 0%
Oil & Grease 0mg/l	TOC 0mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
Sulfuric acid		30	%
Water		70	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
Wear impervious protective clothing, including boots, gloves, coveralls, Use chemical safety glasses.

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

MSDS *no*

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Reacts violently with water, potassium perchlorate, potassium permanganate, sodium, lithium, bases, organic material, halogens, metal acetylides, oxides and hydrides, metals (yields hydrogen gas), strong oxidizing agents and many other reactive substances.

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Ed Anderson

Date: 10/20/2008

Printed Name/Title: Ed Anderson

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>Robb B. Thayer</u>	
Date: <u>10-20-2008</u>	Approved Rejected
Approval Number: <u>3033</u>	



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

no charge

2. Contamination Limits (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

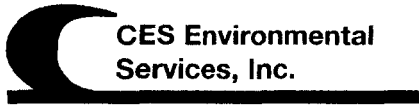
Offload into totes

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable):

--



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 10/22/2008

Dear Steve Sams

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3035

Expiration Date 10/22/2010

Producer: Green Hunter Biofuels
Address: 13605 Industrial Blvd
Houston, TX 77015

Material / Product Information

Name of Material / Product 25% Caustic soda liquid (Product)

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Tank containing 25% caustic soda liquid is damaged and leaking

Color: colorless

Odor: none

pH: 14

Physical State:

Incompatibilities: acids, oxidizers

Safety Related Data/Special Handling:

ppe for caustic

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

100 Jot
CES Port Arthur

CES Environmental Services, Inc.

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company: GREEN HUNTER BIOFUELS, INC.
 Address: 13605 INDUSTRIAL ROAD
 City, State, Zip: HOUSTON, TEXAS
 Contact: STEVE SAMS Title: AUTH. BROKER FOR GEN.
 Phone No: 713-530-4550 Fax No: 281-424-7748
 24/hr Phone: 281-838-3400
 U.S. EPA I.D. No: TXCESQG
 State I.D. CESQG SIC Code: N/A

SECTION 2: Billing Information - ☐ Same as Above

Company: PHOENIX POLLUTION CONTROL & ENVIRONMENTAL SERVICES, INC.
 Address: 720 S. LYNCHBURG ROAD
 City, State, Zip: BAYTOWN, TEXAS 77520
 Contact: STEVE SAMS Title: AUTH. BROKER FOR GEN.
 Phone No: 281-838-3400 Fax No: 281-424-7748

SECTION 3: General Description of the Waste

Name of Waste: 25 % CAUSTIC SODA LIQUID (PRODUCT)

Detailed Description of Process Generating Waste: TANK CONTAINING 25% CAUSTIC SODA LIQUID IS DAMAGED AND LEAKING.

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: COLORLESS Odor: NONE

Specific Gravity (water=1): 1.11 - 1.53 Density: *9-10* N/A lbs/galLayers: ☒ Single-phase ☐ Multi-phaseContainer Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: 130 BBL

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly

Number of Units (containers): 4,000 GALLONS Other: _____

Texas State Waste Code No: *N/A* *Product*

Proper U.S. DOT Shipping Name: SODIUM HYDROXIDE, SOLUTION

Class: 8 UN/NA: 1824 PG: II RQ: *1000*

Flash Point N/A	pH 14	Reactive Sulfides N/Amg/l	Reactive Cyanides N/Amg/l	Solids N/A%
Oil & Grease mg/l	TOC mg/l	Zinc N/Amg/l	Copper N/Amg/l	Nickel N/Amg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The waste consists of the following materials	Ranges are acceptable	or %
SODIUM HYDROXIDE (25%) product	100	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

MSDS none

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ☒ X
TCLP Volatiles: ☒ X
TCLP Semi-Volatiles: ☒ X
Reactivity: ☒ X
Corrosivity: ☒ X
Ignitability: ☒ X

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: 10-21-08

Printed Name/Title: _____

Steve Smith / Asst. Broker

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Additional Information: _____

Date: 10-22-08

Approved

Rejected

Approval Number: _____

3035

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

- (3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

1. Base Pricing (including freight):

trans only (if we do trans)
\$70 /hr + fse

2. Contamination Limits (maximum limit before surcharges apply):

Must be clean product ($> 22\%$ NaOH)

3. Surcharge Pricing:

4. Special Testing Requirements:

pH, concentration, color, clarity
(see Section 7)

5. Treatment and Handling Protocol:

See product section (8)

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C

7. Tests for Product Recovered/Recycled (if applicable):

pH, concentration, color, clarity, s.g.

8. Management for Product Recovered/Recycled (if applicable):

Sand to CES Port Arthur facility for NaSH
production



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 11/17/2008

Dear **Troy Swearingen**

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3065

Expiration Date 11/17/2010

Producer: MTI Environmental
Address: 2150 Pansy Rd
Pasadena, TX 77503

Material / Product Information

Name of Material / Product sulfuric acid

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

unused sulfuric acid

Color: brown

Odor: acidic

pH: 1

Physical State:

Incompatibilities: refer to msds

Safety Related Data/Special Handling:

std + chemical suit and gloves

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

ERP

3063



CES Environmental
Services, Inc.

JB/AL

☐ CES Environmental Services – Houston Facility
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

☒ CES Environmental Services – Port Arthur Facility
2420 S. Gulfway Drive, Port Arthur, TX 77641
Phone: (713) 676-1460 Fax: (713) 676-1676
U.S. EPA ID No: TXR000079307 ISWR No: 88585

SECTION 1: Material Producer Information

Company: MFI Environmental
Address: 2150 Pansy Road
City, State, Zip: Pasadena, TX 77503
Contact: Trey Cherry Title:
Phone No: (713) 947-1510 Fax No: (713) 947-1529
24/hr Phone: (713) 201-3197
U.S. EPA I.D. No: TXCESQG
State I.D. CESQG SIC Code: na

SECTION 2: Billing Information – ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Material / Product

Name of Material / Product: Sulfuric Acid

Detailed Description of Process Generating or Producing the Material / Product: Unused Sulfuric acid

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: brown

Odor: acidic

Specific Gravity (water=1): 1.84

Density: 12 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size: 55-gal

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly

Number of Units (containers): 1 Other: _____

Proper U.S. DOT Shipping Name: Sulfuric Acid (with more than 51% acid)

Class: 8

UN/NA: UN1830

PG: II

RQ: 140-H 1000

Flash Point >140	pH 1	N/A	N/A	Solids 0%
Oil&Grease 0mg/l	TOC 0mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
Sulfuric acid		90-100	%
water		0-10	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
Standard plus chemical suite and gloves

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Reacts violently with water, potassium perchlorate, potassium permanganate, sodium, lithium, bases, organic material, halogens, metal acetylides, oxides and hydrides, metals (yields hydrogen gas), strong oxidizing agents and many other reactive substances.

SECTION 8: Material Producer's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Trey Cherry Date: 11-03-2008
Printed Name/Title: Trey Cherry / VP

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Technical Manager: Robert Thompson
Date: 11-17-08 Approved ☒ Rejected ☐
Approval Number: 3065

1. Base Pricing (including freight):

\$125/ drum Trans \$75/hour + FSC

2. Contamination Limit (maximum limit before surcharges apply):**3. Surcharge Pricing:****4. Special Testing Requirements:**

Density : % Solids

5. Treatment and Handling Protocol:

Use as product in processing

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

Use as sulfuric acid feedstock for NaSH Production

--

MSDS Number: **S8234** * * * * * *Effective Date: 11/09/07* * * * * * *Supersedes: 02/04/05*

MSDS**Material Safety Data Sheet**

From: Mallinckrodt Baker, Inc.
222 Red School Lane
Phillipsburg, NJ 08855



Mallinckrodt
CHEMICALS



24 Hour Emergency Telephone: 908-859-2151
CHEMTREC: 1-800-424-9300

National Response in Canada
CANUTEC: 613-995-6666

Outside U.S. and Canada
Chemtec: 703-527-3887

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals

All non-emergency questions should be directed to Customer Service (1-800-882-2537) for assistance.

SULFURIC ACID, 52 - 100 %

1. Product Identification

Synonyms: Oil of vitriol; Babcock acid; sulphuric acid

CAS No.: 7664-93-9

Molecular Weight: 98.08

Chemical Formula: H₂SO₄ in H₂O

Product Codes:

J.T. Baker: 5030, 5137, 5374, 5802, 5815, 5858, 5859, 5868, 5889, 5897, 5961, 5971, 5997, 6163, 6902, 9671, 9673, 9674, 9675, 9676, 9679, 9680, 9681, 9682, 9684, 9687, 9691, 9693, 9694

Mallinckrodt: 21201, 2468, 2876, 2878, 2900, 2904, 3780, 4222, 5524, 5557, H644, H850, H976, H996, V651, XL003

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Sulfuric Acid	7664-93-9	52 - 100%	Yes
Water	7732-18-5	0 - 48%	No

3. Hazards Identification

Emergency Overview

POISON! DANGER! CORROSIVE. LIQUID AND MIST CAUSE SEVERE BURNS TO ALL BODY TISSUE. MAY BE FATAL IF SWALLOWED OR CONTACTED WITH SKIN. HARMFUL IF INHALED. AFFECTS TEETH. WATER REACTIVE. CANCER HAZARD. STRONG INORGANIC ACID MISTS CONTAINING SULFURIC ACID CAN CAUSE CANCER. Risk of cancer depends on duration and level of exposure.

SAF-T-DATA^(tm) Ratings (Provided here for your convenience)

Health Rating: 4 - Extreme (Poison)

Flammability Rating: 0 - None

Reactivity Rating: 2 - Moderate

Contact Rating: 4 - Extreme (Corrosive)

Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES

Storage Color Code: White (Corrosive)

Potential Health Effects

Inhalation:

Inhalation produces damaging effects on the mucous membranes and upper respiratory tract. Symptoms may include irritation of the nose and throat, and labored breathing. May cause lung edema, a medical emergency.

Ingestion:

Corrosive. Swallowing can cause severe burns of the mouth, throat, and stomach, leading to death. Can cause sore throat, vomiting, diarrhea. Circulatory collapse with clammy skin, weak and rapid pulse, shallow respirations, and scanty urine may follow ingestion or skin contact. Circulatory shock is often the immediate cause of death.

Skin Contact:

Corrosive. Symptoms of redness, pain, and severe burn can occur. Circulatory collapse with clammy skin, weak and rapid pulse, shallow respirations, and scanty urine may follow skin contact or ingestion. Circulatory shock is often the immediate cause of death.

Eye Contact:

Corrosive. Contact can cause blurred vision, redness, pain and severe tissue burns. Can cause blindness.

Chronic Exposure:

Long-term exposure to mist or vapors may cause damage to teeth. Chronic exposure to mists containing sulfuric acid is a cancer hazard.

Aggravation of Pre-existing Conditions:

Persons with pre-existing skin disorders or eye problems or impaired respiratory function may be more susceptible to the effects of the substance.

4. First Aid Measures

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.

Ingestion:

DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

Skin Contact:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Excess acid on skin can be neutralized with a 2% solution of bicarbonate of soda. Call a physician immediately.

Eye Contact:

Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician immediately.

5. Fire Fighting Measures

Fire:

Concentrated material is a strong dehydrating agent. Reacts with organic materials and may cause ignition of finely divided materials on contact.

Explosion:

Contact with most metals causes formation of flammable and explosive hydrogen gas.

Fire Extinguishing Media:

Dry chemical, foam or carbon dioxide. Do not use water on material. However, water spray may be used to keep fire exposed containers cool.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Structural firefighter's protective clothing is ineffective for fires involving this material. Stay away from sealed containers.

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Neutralize with alkaline material (soda ash, lime), then absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

J. T. Baker NEUTRASORB® acid neutralizers are recommended for spills of this product.

7. Handling and Storage

Store in a cool, dry, ventilated storage area with acid resistant floors and good drainage. Protect from physical damage. Keep out of direct sunlight and away from heat, water, and incompatible materials. Do not wash out container and use it for other purposes. When diluting, always add the acid to water; never add water to the acid. When opening metal containers, use non-sparking tools because of the possibility of hydrogen gas being present. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

For Sulfuric Acid:

- OSHA Permissible Exposure Limit (PEL) -
1 mg/m³ (TWA)
- ACGIH Threshold Limit Value (TLV) -
0.2 mg/m³(T) (TWA) for sulfuric acid - A2 Suspected Human Carcinogen for sulfuric acid contained in strong inorganic mists.

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded and engineering controls are not feasible, a full facepiece respirator with an acid gas cartridge and particulate filter (NIOSH type N100 filter) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P particulate filter. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. **WARNING:** Air purifying respirators do not protect workers in oxygen-deficient atmospheres. Where respirators are required, you must have a written program covering the basic requirements in the OSHA respirator standard. These include training, fit testing, medical approval, cleaning, maintenance, cartridge change schedules, etc. See 29CFR1910.134 for details.

Skin Protection:

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

Appearance:

Clear oily liquid.

Odor:

Odorless.

Solubility:

Miscible with water, liberates much heat.

Specific Gravity:

1.84 (98%), 1.40 (50%), 1.07 (10%)

pH:

1 N solution (ca. 5% w/w) = 0.3; 0.1 N solution (ca. 0.5% w/w) = 1.2; 0.01 N solution (ca. 0.05% w/w) = 2.1.

% Volatiles by volume @ 21C (70F):

No information found.

Boiling Point:

ca. 290C (ca. 554F) (decomposes at 340C)

Melting Point:

3C (100%), -32C (93%), -38C (78%), -64C (65%).

Vapor Density (Air=1):

3.4

Vapor Pressure (mm Hg):

1 @ 145.8C (295F)

Evaporation Rate (BuAc=1):

No information found.

10. Stability and Reactivity

Stability:

Stable under ordinary conditions of use and storage. Concentrated solutions react violently with water, spattering and liberating heat.

Hazardous Decomposition Products:

Toxic fumes of oxides of sulfur when heated to decomposition. Will react with water or steam to produce toxic and corrosive fumes. Reacts with carbonates to generate carbon dioxide gas, and with cyanides and sulfides to form poisonous hydrogen cyanide and hydrogen sulfide respectively.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Water, potassium chlorate, potassium perchlorate, potassium permanganate, sodium, lithium, bases, organic material, halogens, metal acetylides, oxides and hydrides, metals (yields hydrogen gas), strong oxidizing and reducing agents and many other reactive substances.

Conditions to Avoid:

Heat, moisture, incompatibles.

11. Toxicological Information

Toxicological Data:Oral rat LD50: 2140 mg/kg; inhalation rat LC50: 510 mg/m³/2H; standard Draize, eye rabbit, 250 ug (severe); investigated as a tumorigen, mutagen, reproductive effector.

Carcinogenicity:

Cancer Status: The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mists containing sulfuric acid" as a known human carcinogen, (IARC category 1). This classification applies only to mists containing sulfuric acid and not to sulfuric acid or sulfuric acid solutions.

-----\Cancer Lists\-----			
Ingredient	---NTP Carcinogen---		IARC Category
	Known	Anticipated	
Sulfuric Acid (7664-93-9)	No	No	None
Water (7732-18-5)	No	No	None

12. Ecological Information

Environmental Fate:

When released into the soil, this material may leach into groundwater. When released into the air, this material may be removed from the atmosphere to a moderate extent by wet deposition. When released into the air, this material may be removed from the atmosphere to a moderate extent by dry deposition.

Environmental Toxicity:

LC50 Flounder 100 to 330 mg/l/48 hr aerated water/Conditions of bioassay not specified;
LC50 Shrimp 80 to 90 mg/l/48 hr aerated water /Conditions of bioassay not specified; LC50
Prawn 42.5 ppm/48 hr salt water /Conditions of bioassay not specified.
This material may be toxic to aquatic life.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Domestic (Land, D.O.T.)

Proper Shipping Name: SULFURIC ACID (WITH MORE THAN 51% ACID)

Hazard Class: 8

UN/NA: UN1830

Packing Group: II

Information reported for product/size: 440LB

International (Water, I.M.O.)

Proper Shipping Name: SULFURIC ACID (WITH MORE THAN 51% ACID)
Hazard Class: 8
UN/NA: UN1830
Packing Group: II
Information reported for product/size: 440LB

15. Regulatory Information

```
-----\Chemical Inventory Status - Part 1\-----
Ingredient                                     TSCA   EC    Japan  Australia
-----
Sulfuric Acid (7664-93-9)                   Yes   Yes   Yes    Yes
Water (7732-18-5)                           Yes   Yes   Yes    Yes
```

```
-----\Chemical Inventory Status - Part 2\-----
Ingredient                                     Korea  --Canada--
                                     DSL    NDSL   Phil.
-----
Sulfuric Acid (7664-93-9)                   Yes   Yes    No     Yes
Water (7732-18-5)                           Yes   Yes    No     Yes
```

```
-----\Federal, State & International Regulations - Part 1\-----
Ingredient                                     -SARA 302-  -SARA 313-----
                                     RQ    TPQ    List  Chemical Catg.
-----
Sulfuric Acid (7664-93-9)                   1000  1000    Yes    No
Water (7732-18-5)                           No    No      No     No
```

```
-----\Federal, State & International Regulations - Part 2\-----
Ingredient                                     CERCLA  -RCRA-  -TSCA-
                                     261.33  8 (d)
-----
Sulfuric Acid (7664-93-9)                   1000    No      No
Water (7732-18-5)                           No      No      No
```

Chemical Weapons Convention: No TSCA 12(b): No CDTA: Yes
 SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
 Reactivity: Yes (Pure / Liquid)

Australian Hazchem Code: 2P
Poison Schedule: None allocated.
WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Ratings: Health: 3 Flammability: 0 Reactivity: 2 Other: **Water reactive**

Label Hazard Warning:

POISON! DANGER! CORROSIVE. LIQUID AND MIST CAUSE SEVERE BURNS TO ALL BODY TISSUE. MAY BE FATAL IF SWALLOWED OR CONTACTED WITH SKIN. HARMFUL IF INHALED. AFFECTS TEETH. WATER REACTIVE. CANCER HAZARD. STRONG INORGANIC ACID MISTS CONTAINING SULFURIC ACID CAN CAUSE CANCER. Risk of cancer depends on duration and level of exposure.

Label Precautions:

Do not get in eyes, on skin, or on clothing.
Do not breathe mist.
Keep container closed.
Use only with adequate ventilation.
Wash thoroughly after handling.
Do not contact with water.

Label First Aid:

In all cases call a physician immediately. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before re-use. Excess acid on skin can be neutralized with a 2% bicarbonate of soda solution. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Product Use:

Laboratory Reagent.

Revision Information:

No Changes.

Disclaimer:

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Prepared by: Environmental Health & Safety

Phone Number: (314) 654-1600 (U.S.A.)

Waste Pre-Acceptance/Approval Letter

Date **11/26/2008**

Dear **Linda Henson**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3093

Expiration Date 11/26/2010

Generator: Total Petrochemicals

Address: 7600 32nd Street
Port Arthur, TX 77642-7901

Waste Information

Name of Waste: Spent naphthenic caustic

TCEQ Waste Code #: Recycle

Container Type:

Detailed Description of Process Generating Waste:

Treating of kerosene and jet fuel with caustic to remove sulfur compounds

Color: dark **Odor:** characteristic naphthenic **pH:** 10-14

Physical State:

Incompatibilities: strong acids

Safety Related Data/Special Handling:

ppe for corrosive materials, glasses/goggles/face shield

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

AP

Cannot approve at this time. Requires Dir. of Operations approval.
 we have tried this before. Cannot handle at CES Houston. there must be an outlet
 for this material.

DC/MM

**CES Environmental
Services, Inc.**

<input type="checkbox"/> CES Environmental Services - Houston Facility 4904 Griggs Road, Houston, TX 77021 Phone (713) 676-1460 Fax: (713) 676-1460 U.S. EPA ID Number: TXD008950461 ISWR Number: 30900 TCEQ Industrial Solid Waste Permit Number: 30948	<input checked="" type="checkbox"/> CES Environmental Services - Port Arthur Facility 2420 S. Gulfway Dr., Port Arthur, TX 77641 Phone (713) 676-1460 Fax: (713) 676-1460 U.S. EPA ID Number: TXR000079307 ISWR Number: 88585
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SECTION 1: Generator Information

Company: Total Petrochemicals
 Address: 7600 32nd Street
 City: Port Arthur State: TX Zip: 77642-7901
 Contact: Corbin Smith Title: Environmental Engineer
 Phone Number: 409-963-6825 Fax Number:
 24/hr Phone Number: 409-332-6495
 US EPA ID No: TXD008950461
 State ID No: 30002 SIC Code: 2911

SECTION 2: Billing Information - ☐ Same as Above

Company: Process Solutions
 Address: 4760 World Houston Pkwy Ste 100
 City: Houston State: TX Zip: 77032
 Contact: Kimberly McDonald Title:
 Phone Number: 832-300-5712 Fax Number:

SECTION 3: General Description of the Waste

Name of Waste: Spent naphthenic caustic

Detailed Description of Process Generating Waste:

treating of kerosene and jet fuel with caustic to remove sulfur compounds

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: dark Odor: characteristic naphthenic acid

Specific Gravity (water=1): 1.05 Density: 8-Jan lbs/gal

Does this material contain any total phenolic compounds? ☒ Yes ☐ NoDoes this material contain any para substituted phenolic compounds? ☐ Yes ☒ NoIs the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phaseContainer Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)Frequency: ☒ Weekly ☐ Monthly ☐ Yearly ☐ One-Time

Quantity: 5-Feb

☐ Yes ☒ No

If "Yes", is it:

☐ D001 (Ignitable)☐ D002 (Corrosive)☐ D003 (Reactive)

☐ D004

☐ D005

☐ D006

☐ D007

☐ D008

☐ D009

☐ D010

D011

Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one?

☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code Number:

Recycle

Proper US DOT Shipping Name:

Corrosive Liquids, n.o.s. (Naphthenic caustic acid

Class: **8 UN/NA:**

1760 PG :

11

RQ:

1000

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
N/A		10-14		N/A <u>mg/l</u>		N/A <u>mg/l</u>		0	%
Oil & Grease		TOC		Zinc		Copper		Nickel	
5-7%	<u>mg/l</u>	N/A	<u>mg/l</u>	N/A	<u>mg/l</u>	N/A	<u>mg/l</u>	N/A	<u>mg/l</u>

SECTION 4: Physical and Chemical Data

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

PPE for corrosive materials, glasses/goggles

safe shield

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package. MSDS

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

Strong Acids

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: X

TCLP Volatiles: X

TCLP Semi-Volatiles: X

Reactivity: X

Corrosivity: X

Ignitability: X

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☐ YES

☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: _____

11/12/08

Printed Name/Title: _____

CORBIN D. SMITH / ENVIRONMENTAL ADVISOR

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: 11-26-08

☒ Approved

☐ Rejected

Approval Number: _____

3093



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

Freight - \$0.07/gallon Management - \$0.41/gallon

2. Contamination Limit (maximum limit before surcharges apply):

NA

3. Surcharge Pricing:

NA

4. Special Testing Requirements:

NA

5. Treatment and Handling Protocol:

Break emulsion by bringing pH to <2. Allow water to phase separate. Collect oil and sell as naphthenic acid. Water phase will be Category B water and disposed at CES or System 1.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☒ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

Sell oil phase as naphthenic acid.

--



TOTAL PETROCHEMICALS
TOTAL PETROCHEMICALS USA, INC.

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Trade name	Spent Caustic	Code	004211
Supplier	TOTAL PETROCHEMICALS USA, INC. P O Box 674411 Houston, Tx. 77267-4411	MSDS#	P100
Synonym	Naphthenic Caustic	Validation Date	10/15/2004
MSDS Name	Spent Caustic	Print Date	10/15/2004
Chemical Family	Mixture	Responsible for Preparation	Paul Bradley
CAS Registry Number	64742-40-1	In Case of Emergency Chemtrec: (800) 424-9300 TOTAL PETROCHEMICALS USA, INC: (800) 322-3462 Technical Information Port Arthur: (409) 962-4421	
Threshold Limit Value	Sodium Hydroxide CEIL: 2 (mg/m ³) from ACGIH (TLV) TWA: 2 (mg/m ³) from OSHA		
Manufacturer	TOTAL PETROCHEMICALS USA, INC. P.O. Box 849 Port Arthur, TX 77641-0849		

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
Neutralizing agents, petroleum, spent sodium hydroxide	64742-40-1	100 %	Not established.
Sodium Hydroxide	1310-73-2	< 20	CEIL: 2 (mg/m ³) from ACGIH (TLV) TWA: 2 (mg/m ³) from OSHA
Cresylates		Varies	

Section 3. Hazards Identification

Physical State and Appearance	Liquid.
Emergency Overview	CONTAINS MATERIAL WHICH MAY CAUSE DIGESTIVE SYSTEM, RESPIRATORY TRACT, SKIN, EYES DAMAGE. CAUSES SEVERE EYE BURNS.
Routes of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Potential Acute Health Effects	Eyes Extremely hazardous in case of eye contact (irritant). Corrosive to eyes on contact. Skin Very hazardous in case of skin contact (corrosive). Skin contact may produce burns or dermatitis. Inhalation Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Over-exposure by inhalation may cause respiratory irritation and/or pneumonia. Corrosive to the respiratory system. Ingestion May be fatal if swallowed. May cause burns to mouth, throat, stomach, nose, & eyes.
Potential Chronic Health Effects	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available.
Medical Conditions Aggravated by Overexposure	Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection.
Overexposure /Signs/Symptoms	Severe tissue damage at all points of contact.
See Toxicological Information (Section 11)	

Continued on Next Page

Section 4. First Aid Measures

Eye Contact	Flush with large amounts of water. If redness persists, get medical attention.
Skin Contact	If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical touches the victim's exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Inhalation	Allow the victim to rest in a well-ventilated area. Seek immediate medical attention.
Ingestion	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Notes to Physician	Treat as alkali poisoning.

Section 5. Fire Fighting Measures

Flammability of the Product	Aqueous components will not burn. However, lesser organic components may burn at high temperature.
Auto-ignition Temperature	Not available.
Flash Points	Not available.
Flammable Limits	Not available.
Products of Combustion	Not available.
Fire Hazards in Presence of Various Substances	Not considered to be flammable according to our database.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not expected. Risks of explosion of the product in presence of static discharge: Not expected.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder, CO2, and halon. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
Protective Clothing (Fire)	Wear MSHA/NIOSH approved self-contained breathing apparatus or equivalent and full protective gear (Bunker gear).
Special Remarks on Fire Hazards	No additional remark.
Special Remarks on Explosion Hazards	No additional remark.

Section 6. Accidental Release Measures

Small Spill and Leak	Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.
Large Spill and Leak	Corrosive liquid. Contain spill and safely stop the flow. Warn personnel to move away. Eliminate all sources of ignition. Ventilate. Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Continued on Next Page

Section 7. Handling and Storage

Handling	Keep away from incompatibles such as acids. Wear suitable protective clothing.
Storage	Keep container dry. Keep in a cool place. Ground all equipment containing material. Corrosive materials should be stored in a separate safety storage cabinet or room.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
----------------------	--

Personal Protection

Eyes Face shield. Splash goggles.

Body Full suit.

Respiratory

Use a MSHA/NIOSH approved respirator or equivalent at high concentrations.

Hands Chemical resistant gloves if contact is possible.

Feet Boots.

Protective Clothing (Pictograms)**Personal Protection in Case of a Large Spill**

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Product Name**Exposure Limits**

Neutralizing agents, petroleum, spent sodium hydroxide

Not established.

Sodium Hydroxide

CEIL: 2 (mg/m³) from ACGIH (TLV)

TWA: 2 (mg/m³) from OSHA

Cresylates

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Not available.
Molecular Weight	Not applicable.	Taste	Not available.
Molecular Formula	Not applicable.	Color	Not available.
pH (1% Soln/Water)	10-14		
Boiling/Condensation Point	Not available.		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Specific Gravity	1.05 (Water = 1)		
Vapor Pressure	Not available.		
Vapor Density	Not available.		
Volatility	Not available.		
Odor Threshold	Not available.		
Evaporation Rate	Not available.		

Continued on Next Page

Spent Caustic		Page: 4/6
VOC	Not available.	
Viscosity	Not available.	
LogK _{ow}	Not available.	
Ionicity (in Water)	Not available.	
Dispersion Properties	See solubility in water.	
Solubility in Water	Soluble.	
Physical Chemical Comments	No additional remark.	

Section 10. Stability and Reactivity	
Stability and Reactivity	The product is stable.
Conditions of Instability	No additional remark.
Incompatibility with Various Substances	Extremely reactive or incompatible with strong acids.
Hazardous Decomposition Products	carbon monoxide & carbon dioxide
Hazardous Polymerization	No.

Section 11. Toxicological Information	
Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	The substance is toxic to digestive system, upper respiratory tract, skin, eyes.
Other Toxic Effects on Humans	Extremely hazardous in case of eye contact (irritant). Very hazardous in case of skin contact (corrosive).
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional remark.
Special Remarks on Other Toxic Effects on Humans	No additional remark.



Section 12. Ecological Information	
Ecotoxicity	Not available.
BOD5 and COD	Not available.
Biodegradable/OECD	Not available.
Mobility	Not available.
	Not available.
Toxicity of the Products of Biodegradation	No information available.
Special Remarks on the Products of Biodegradation	No additional remark.

Continued on Next Page

Section 13. Disposal Considerations

Waste Information	Recover free liquid. Transfer to a safe disposal area in accordance with federal, state, and local regulations.
Waste Stream	Recover free liquid. Transfer to a safe disposal area in accordance with federal, state, and local regulations.
Consult your local or regional authorities.	


Section 14. Transport Information (for bulk shipments, non-bulk shipments may differ)

DOT Classification for Bulk Shipments (non bulk shipments may differ)	DOT CLASS 8: Corrosive liquid.	
DOT Proper Shipping Name	Caustic alkali liquids, n.o.s. (sodium hydroxide), 8, UN1719, II RQ	
UN Number	UN1719	
Packing Group	II	
USCG Proper Shipping Name	Not available.	
Marine Pollutant	Not listed in Appendix B of 49 CFR 172.101	
Hazardous Substances Reportable Quantity	Sodium Hydroxide 1000 lbs	
Special Provisions for Transport	See codes as shown in 49 CFR 172.101 Column 7.	
TDG Classification	TDG CLASS 8: Corrosive liquid. TDG CLASS 9.2: Environmentally hazardous material.	
ADR/RID Classification	ADR CLASS 8: Corrosive liquid. Highly corrosive.	
IMO/IMDG Classification	IMDG CLASS 8: Corrosive liquid.	
ICAO/IATA Classification	IATA CLASS 8: Corrosive liquid.	

Section 15. Regulatory Information

HCS Classification	HCS CLASS: Target organ effects. HCS CLASS: Corrosive liquid.
U.S. Federal Regulations	<p>TSCA inventory: Yes</p> <p>SARA 302/304/311/312 extremely hazardous substances: No products were found.</p> <p>SARA 302/304 emergency planning and notification: No products were found.</p> <p>SARA 302/304/311/312 hazardous chemicals: No products were found.</p> <p>SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.</p> <p>Clean Water Act (CWA) 307: No products were found.</p> <p>Clean Water Act (CWA) 311: No products were found.</p> <p>Clean air act (CAA) 112 accidental release prevention: No products were found.</p> <p>Clean air act (CAA) 112 regulated flammable substances: No products were found.</p> <p>Clean air act (CAA) 112 regulated toxic substances: No products were found.</p>
International Regulations	<p>WHMIS (Canada) WHMIS CLASS E: Corrosive liquid.</p> <p>CEPA DSL: Spent Caustic</p>

Continued on Next Page

Spent Caustic		Page: 6/6												
EINECS	Not available.													
DSCL (EEC)	R35- Causes severe burns. R41- Risk of serious damage to eyes.													
International Lists	No products were found.													
State Regulations	New York acutely hazardous substances: sodium hydroxide Pennsylvania RTK: sodium hydroxide Florida: sodium hydroxide Minnesota: sodium hydroxide Massachusetts RTK: sodium hydroxide New Jersey: sodium hydroxide California prop. 65: No products were found.													
Section 16. Other Information														
Label requirements	CONTAINS MATERIAL WHICH MAY CAUSE DIGESTIVE SYSTEM, RESPIRATORY TRACT, SKIN, EYES DAMAGE. CAUSES SEVERE EYE BURNS.													
Hazardous Material Information System (U.S.A.)	<table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 2px;">Health</td> <td style="padding: 2px;">*</td> <td style="padding: 2px;">3</td> </tr> <tr> <td style="padding: 2px;">Fire Hazard</td> <td style="padding: 2px;"></td> <td style="padding: 2px;">0</td> </tr> <tr> <td style="padding: 2px;">Reactivity</td> <td style="padding: 2px;"></td> <td style="padding: 2px;">1</td> </tr> <tr> <td style="padding: 2px;">Personal Protection</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table>	Health	*	3	Fire Hazard		0	Reactivity		1	Personal Protection			National Fire Protection Association (U.S.A.)
Health	*	3												
Fire Hazard		0												
Reactivity		1												
Personal Protection														
		 <div style="display: flex; justify-content: space-between; font-size: small;"> Health Fire Hazard Reactivity </div> <div style="text-align: center; font-size: x-small;">COR</div> <div style="text-align: center; font-size: x-small;">Specific Hazard</div>												
References	-HSDB - Hazardous Substances Data Bank													
Other Special Considerations	No additional remark.													
Validated by Paul Bradley on 10/15/2004.		Verified by Paul Bradley. Printed 10/15/2004.												
Chemtrec: (800) 424-9300 TOTAL PETROCHEMICALS USA, INC: (800) 322-3462														
Notice to Reader <i>To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.</i>														



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 12/16/2008

Dear

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3115

Expiration Date 12/15/2010

Producer: Plymouth Extruded Shapes

Address: 201 Commerce Court
Hopkinville, KY 42445

Material / Product Information

Name of Material / Product Sodium hydroxide solution alkaline cleaner

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Cleaning for removal of draw lube from metal products

Color: dark

Odor: caustic

pH: >12.5

Physical State:

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

none

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

SR

45

Port Arthur

there should be no oil



4904 Griggs Road, Houston, TX 77021-
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

CGS Environmental Port Arthur
2420 Gulfway Dr

SECTION 1: Generator Information

Company: Plymouth Extruded Shapes
Address: 201 Commerce Court
City: Hopkinsville State: KY Zip: 42445
Contact: Kenny Daugherty Title: EHS Manager
Phone Number: 270-886-6631 Fax Number: 270-885-9034
24/hr Phone Number: 888-741-6425 EMA
US EPA ID No: KYD084270461
State ID No: _____ SIC Code: _____

SECTION 2: Billing Information - ☐ Same as Above

Company: EMA Inc.
Address: 10627 MIDWEST INDUSTRIAL Blvd.
City: ST. LOUIS State: MO Zip: 63132
Contact: MARIA Tumbarello Title: Office Mgr.
Phone Number: 314-785-6425 Fax Number: 314-785-6426

SECTION 3: General Description of the Waste

Name of Waste: Sodium Hydroxide Solution Alkaline Cleaner
Detailed Description of Process Generating Waste: cleaning for removal of DRAW Lube from metal products.

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: DARK Odor: CAUSTIC

Specific Gravity (water=1): 1.17 927 Density: 927 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☐ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2876	2879	2891	2892	2893	2896	2899	2911
3312	4953	4959	9511						

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Frequency: ☐ Weekly ☐ Monthly ☒ Yearly ☐ One-Time

Quantity: 5000 gallons

Is this a USEPA "Hazardous Waste" per 40CFR 261.3?

☐ Yes ☒ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If “Yes”, Is it:

☐ D001 (Ignitable)☐ D002 (Corrosive)☐ D003 (Reactive)

Characteristic for Toxic Metals:

☐ D004

☐ D005

☐ D006

D007

☐ D008

☐ D009

☐ D010

D011

Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one?

☐ **Yes**☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

☐ Yes☒ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code Number:

~~product~~ / recycle

Proper US DOT Shipping Name:

Sodium Hydroxide Solution

Class:

8

UN/NA:

IN 1824 PG:

PG :

7012

RQ:

Flash Point		pH		Reactive Sulfides		Reactive Cyanides		Solids	
7200		7.25		0 mg/l		0 mg/l		41 %	
Oil & Grease		TOC		Zinc		Copper		Nickel	
0 mg/l		0 mg/l		0 mg/l		0 mg/l		0 mg/l	

SECTION 4: Physical and Chemical Data

[illegible]

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

NONE

SECTION 6: Attached Supporting Documents

List all documents, notes, data and/or analysis attached to this form as part of the waste approval package.

YES - QNA/45FS + MSDS

SECTION 7: Incompatibilities

Please list ALL incompatibilities (if any):

oxidizers

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, **WAS NOT PERFORMED** based upon the following generator knowledge:

TCLP Metals:

X

TCLP Volatiles:

X

TCLP Semi-Volatiles:

X

Reactivity:

X

Corrosivity:

X

Ignitability:

X

SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Pertaining to Pre-Treatment Requirements for Centralized Waste Treatment Facilities)

Is this material a wastewater or wastewater sludge?

☐ YES

☒ NO

If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources

- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1)

If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

- ☐ Metals Subcategory
- ☐ Oils Subcategory
- ☐ Organics Subcategory

SECTION 10 Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data.

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: _____

Printed Name/Title: _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: _____

Date: 12-15-2008

☒ Approved

☐ Rejected

Approval Number: _____

3115

1. Base Pricing (including freight):

\$ 0.45/gal + energy surcharge + compliance fee

2. Contamination Limit (maximum limit before surcharges apply):

< 1% Solids, 0% Oil.

3. Surcharge Pricing:

4. Special Testing Requirements:

See Section 6

5. Treatment and Handling Protocol:

See section 7

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

7. Tests for Product Recovered/Recycled (if applicable):

test pH, % NaOH concentration by titration, % solids and Oil.

8. Management for Product Recovered/Recycled (if applicable)

decant top layer into oil/water Separator tank at Port Arthur. @ Send caustic to caustic feed tank for NaOH production

McCoy & McCoy Laboratories, Inc.
P. O. Box

Madisonville, KY

www.mccoyslabs.com

Lexington KY
859-299-7775
Madisonville KY
270-821-7375

Paducah KY
270-444-8547
Pikeville KY
606-432-3104

D.Wolfe@mccoyslabs.com

Plymouth Extruded Shapes
Attn: Greg Studer
201 Commerce Court
Hopkinsville KY 42240

Batch #: 06022333
Received: 02/28/2006
Reported: 03/13/2006
03/13/2006

Client: PL8500
Page: 1 of 1

Analysis

AE36041 Alkaline Collected: 2/28/2006

Test Description	Analyzed	By	Method	Result	Units	Report	MCL	Note
Extraction TCLP Filtration	03/02/2006	KET	EPA 1311	3/2/06				
Arsenic - Solid Waste/Liquid - TCLP	03/07/2006	FAM	SW 6020	0.028	mg/l	0.002	5.0	
Barium - Solid Waste/Liquid - TCLP	03/07/2006	FAM	SW 6020	0.432	mg/l	0.002	100.	
Cadmium - Solid Waste/Liquid - TCLP	03/07/2006	FAM	SW 6020	0.002 U	mg/l	0.002	1.0	
Chromium - Solid Waste/Liquid - TCLP	03/07/2006	FAM	SW 6020	2.36	mg/l	0.002	5.0	
Lead - Solid Waste/Liquid - TCLP	03/07/2006	FAM	SW 6020	0.691	mg/l	0.002	5.0	
Mercury - Solid Waste/Liquid - TCLP	03/07/2006	FAM	SW 6020	0.0002 U	mg/l	0.0002	0.2	
Selenium - Solid Waste/Liquid - TCLP	03/07/2006	FAM	SW 6020	0.01	mg/l	0.002	1.0	
Silver - Solid Waste/Liquid - TCLP	03/07/2006	FAM	SW 6020	0.002 U	mg/l	0.002	5.0	

Submitted By:

Doug Wolfe, Director of Laboratory Services

The analyses reported above have been determined by protocols that meet or exceed the requirements of NELAC. Methods listed with an "***" are not part of this accreditation. Call Doug Wolfe at 270-821-7375 for any questions concerning this analysis report.

MATERIAL SAFETY DATA SHEET

NO. 499

Revised: March 01, 2006

Product Name: USED, SODIUM HYDROXIDE, Hopkinsville, KY

PLYMOUTH EXTRUDED SHAPES

201 Commerce Court

Hopkinsville, KY 42240

USA

Emergency Phone: (270) 348-4830

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical Formula: Sodium hydroxide

Other Designations: Caustic soda (Caustic)

Product Use: Processing to resell caustic soda

Manufacturer: Plymouth Extruded Shapes, KY

USA Phones: Health & Safety: (270) 348-4830

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS No.	% by Weight	Form	Exposure Limits (TWA in mg/m ³)	
				ACGIH TLV	OSHA PEL
Sodium hydroxide	1310-73-2	10-20%	—		
Water		80-90%			
Trace Metals					
Chromium		2.36 mg/l			
Lead		0.691 mg/l			

cmpds = compounds

3. HAZARDS INFORMATION

EMERGENCY OVERVIEW

Liquid, gray-white color. Odorless. Non-combustible. **CORROSIVE.**

Can cause severe irritation, corrosive burns, and permanent damage to eyes, skin, respiratory tract and gastrointestinal tract.

Potential Health Effects

EPAHO041000488

EYES: Direct contact can cause severe irritation, corrosive burns, and permanent damage including blindness.

SKIN: Direct contact can cause severe irritation, burns and damage to skin.

INHALATION: Can cause respiratory tract irritation, lung damage and other health effects listed below. Cancer and reproductive hazard.

INGESTION: Can cause irritation and damage to the gastrointestinal tract if swallowed.

This material can cause corrosive burns to eyes or skin on contact due to its alkalinity. It is destructive to all contacted human tissue and gives severe burns. Eye contact will produce severe or permanent injury including blindness. Inhalation of mist or spray can cause irritation or injury to the upper respiratory tract. Chronic exposure to liquid mist can cause irritation or damage to the respiratory tract tissues.

Sodium hydroxide can cause severe irritation/corrosive burns to the eyes, skin, mucous membranes, and respiratory system.

Medical conditions aggravated by exposure to the product:

Asthma, chronic lung disease, and skin rashes.

***IARC CLASSIFICATIONS:**

Group 1: The agent is carcinogenic to humans.

There is sufficient evidence that a causal relationship existed between exposure to the agent and human cancer.

Group 2B: The agent is possibly carcinogenic to humans.

Generally includes agents for which there is limited evidence in humans in the absence of sufficient evidence in experimental animals.

4. FIRST AID MEASURES

EYES: Wash eyes immediately with plenty of running water for at least 15 minutes including under the eyelids and all surfaces. Speed in rinsing eyes after contact is extremely important if permanent injury is to be avoided. Obtain emergency medical care.

SKIN: Wash contact area promptly with large quantities of water. Remove contaminated clothing under the shower. Prolong washing in serious cases until medical help arrives, even for an hour or longer.

INGESTION: *Do not give anything by mouth to an unconscious person.* Immediately dilute chemical by drinking water or milk, up to 30 mL in children and 250 mL in adults. Do not neutralize with dilute vinegar, fruit juice or other acidic agents. Vomiting may occur spontaneously, but do not induce it. Contact a physician immediately.

INHALATION: Remove to fresh air. Check for clear airway, breathing, and presence of pulse. Provide CPR for persons without pulse or respirations. Consult a physician immediately.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Sodium hydroxide solution is non-combustible. Sodium hydroxide will react vigorously with metals such as aluminum, tin, and zinc to generate flammable and explosive hydrogen gas.

EXTINGUISHING MEDIA: Use fire extinguishing agent suitable for surrounding fire. Use water spray to cool containers of this material which are involved in a fire situation. However, take care not to splash this caustic solution.

FIRE FIGHTING INSTRUCTIONS: Fire fighters should wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.

6. ACCIDENTAL RELEASE MEASURES

SMALL/LARGE SPILL: Contact environmental control personnel. Plan ahead for handling spills. Personnel working on cleanup must use protective clothing/equipment to prevent body contact

with the liquid and be properly trained as required by OSHA regulations. Abundant running water should be available for emergency use. Pick up spill with vacuum equipment (alkali resistant) for disposal or flush to holding area with water. Neutralize residues with dilute acid and rinse with water.

7. HANDLING AND STORAGE

HANDLING: Avoid handling conditions that may lead to spills or to mist formation. Do not permit workers to handle this material without proper training or without proper equipment.

STORAGE: Store in well-sealed containers which are protected from physical damage. Have abundant running water available where stored, unloaded, or handled. Drains must have retention basin for pH adjustment and neutralization of spilled materials and flushings before discharge.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use with adequate ventilation to meet the limits listed in Section 2.

RESPIRATORY PROTECTION: Use NIOSH-approved respiratory protection (mist respirator, high efficiency dust respirator for lead) as specified by an Industrial Hygienist or other qualified professional if concentrations exceed the limits listed in Section 2.

SKIN PROTECTION: Wear chemical resistant gloves and other appropriate protective clothing to prevent skin contact.

EYE PROTECTION: Wear chemical splash goggles or face shield to prevent eye contact.

Sampling to establish lead level exposure is advised where exposure to airborne particulate or fumes is possible. Consult OSHA Lead Standard 29 CFR 1910.1025 for specific health/industrial hygiene precautions and requirements to follow when handling lead compounds

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Liquid (may contain precipitated inorganic salts); gray-white color

BOILING TEMPERATURE: 288-298°F (for 50% NaOH)

FREEZE-MELT TEMPERATURE: Not determined

VAPOR PRESSURE: <1.0 mmHg

EVAPORATION RATE: Not applicable

SPECIFIC GRAVITY: 1.2-1.3

DENSITY: See Specific Gravity

WATER SOLUBILITY: ~100%

PH: ≥ 12.5

ODOR: None

ODOR THRESHOLD (ppm): Not determined.

COEFFICIENT OF WATER/OIL DISTRIBUTION: Not determined

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions in a sealed container. Do not store in magnesium, tin, chromium, aluminum, and zinc, and brass, bronze or galvanized containers.

REACTIVITY: This material will react with carbon dioxide in the air (when exposed) to form sodium carbonate. It will react violently with acids and with many organic chemicals, especially nitrocarbons and halocarbons. (Trichloroethylene will react with sodium hydroxide to form spontaneously flammable dichloroacetylene)

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

LD₅₀ or LC₅₀ for oral, dermal or inhalation routes of administration: No information found.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL/CHEMICAL FATE INFORMATION: No information found.

13. DISPOSAL CONSIDERATION

Material may be neutralized on-site with necessary permits and precautions or off-site by a reputable waste treatment company.

RCRA Hazardous Waste No.: D002 due to the high pH

14. TRANSPORT INFORMATION

U.S.A. DOT: Sodium Hydroxide Solution, 8, UN1824, II, RQ,

Note: For packages less than 4,165 lb., delete "RQ" reference.

Canadian TDG Hazard Class & PIN: 8, UN1824

15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA STATUS: All components of this product are listed on the TSCA inventory.

CERCLA HAZARDOUS SUBSTANCES: Chromium, Sodium hydroxide.

SARA TITLE III

Section 311/312 Physical and Health Hazard Categories: Immediate (acute), Delayed (chronic).

Section 313 Toxic Chemicals: Chromium

In reference to Title VI of the Clean Air Act of 1990, this material does not contain nor was it manufactured using ozone-depleting chemicals.

State Regulations

PENNSYLVANIA "Special Hazardous Substance"

International Regulations

CANADIAN DOMESTIC SUBSTANCES LIST: All components of this product are listed on the Canadian DSL.

EUROPEAN COMMUNITY: All components of this product are listed on ECHOIN, the European Core Inventory.

JAPAN: All components of this product are listed on MITI, the Ministry of International Trade Industry.

AUSTRALIA: All components of this product are listed on the AICS inventory.

16. OTHER INFORMATION

MSDS STATUS: New format.

PREPARED BY: Hazardous Materials Control Committee.

MSDS System Number: 145285

- Guide to Occupational Exposure Values-1997, Compiled by the American Conference of Governmental Industrial Hygienists (ACGIH).
- Documentation of the Threshold Limit Values and Biological Exposure Indices, Sixth Edition, 1991, Compiled by the American Conference of Governmental Industrial Hygienists, Inc. (ACGIH).
- NIOSH Pocket Guide to Chemical Hazards, U.S. Department of Health and Human Services, June 1994.
- Dangerous Properties of Industrial Materials, Sax, N. Irving, Van Nostrand Reinhold Co., Inc., 1984.
- Patty's Industrial Hygiene and Toxicology: Volume II: Toxicology, 4th ed., 1994, Patty, F. A.; edited by Clayton, G. D. and Clayton, F. E.: New York: John Wiley & Sons, Inc.

INFORMATION HEREIN IS GIVEN IN GOOD FAITH AS AUTHORITATIVE AND VALID; HOWEVER, NO WARRANTY, EXPRESS OR IMPLIED, CAN BE MADE.

LEGEND:

ACGIH	American Conference of Governmental Industrial Hygienists	atm	atmosphere
AICS	Australian Inventory of Chemical Substances	cm	centimeter
CAS	Chemical Abstract Services	g, gm	gram
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	in	inch
CFR	Code of Federal Regulations	kg	kilogram
CPR	Cardiopulmonary Resuscitation	lb	pound
DOT	Department of Transportation	m	meter
DSL	Domestic Substances List (Canada)	mg	milligram
ECOCIN	European Core Inventory	ml, mL	milliliter
EPA	Environmental Protection Agency	mm	millimeter
IARC	International Agency for Research on Cancer	n.o.s.	not
otherwise specified			
LC ₅₀	Lethal concentration (50 percent kill)	ppb	parts per
billion		ppm	parts per
LC ₅₀	Lowest published lethal concentration	psia	pounds per
million			
LD ₅₀	Lethal dose (50 percent kill)	μ, u	micron
square inch absolute		μg	microgram
LD ₅₀	Lowest published lethal dose		
NFPA	National Fire Protection Association		
NIOSH	National Institute for Occupational Safety and Health		
NTP	National Toxicology Program		
OEL	Occupational Exposure Limit		
OSHA	Occupational Safety and Health Administration		
PEL	Permissible Exposure Limit		
PIN	Product Identification Number		
RCRA	Resource Conservation and Recovery Act		
SARA	Superfund Amendments and Reauthorization Act		
STEL	Short Term Exposure Limit		
TCLP	Toxic Chemicals Leachate Program		
TDG	Transportation of Dangerous Goods		
TLV	Threshold Limit Value		
TSCA	Toxic Substances Control Act		
TWA	Time Weighted Average		

SECTION 17

DISCLOSURE STATEMENT

The information presented in this Material Safety Data Sheet is subject to additions and revisions and is not all-inclusive, but represented as the best information available to date. This information was drawn from recognized sources believed to be reliable. However, Plymouth Extruded Shapes, and/or the preparer of this data sheet will not be responsible for damages of any kind resulting from the use of or reliance upon such information.

The product discussed is sold without warranty, expressed or implied and upon conditions that purchasers shall perform their own verification and testing to determine its suitability for a particular purpose.

CCS Energy Services LLC
10845 Hwy. 1 South
Shreveport, La. 71118

Facility 318-797-0087
Fax 318-797-8688

Material Profile

Profile Number

A. Generator Information

Company Plymouth Extruded Shapes Phone (270) 886-6631Site Address 201 Commerce Court Fax (270) 885-7034Hopkinsville, KY 42445Contact / Title Randy Hubbard Email _____EPA # KYD084270461 State Generating ID# _____ SIC Code _____

B. Billing Information

Company EMA Phone (314) 785-6425Mailing Address 10627 Midwest Ind. BlvdSt Louis, MO 63132Billing Contact Maria Tambarello Fax (314) 785-6426

C. Transporter Information

Company TBD EPA ID# _____US DOT Proper Shipping Name: Sodium Hydroxide SolutionDOT Hazard Class 8 UN/NA # UN1824 Packing Group II

D. General Waste Information

Shipping Frequency: Number of Gallons 5000 Per: ☐ Month ☒ Quarter ☐ Year ☐ One Time ☐ OtherShipping Method: Truck ☒ Rail _____ Barge _____Non-hazardous _____ Hazardous ☒ Waste Codes N/AWaste Name Alkaline CleanerProcess Generating Waste Cleaning for removal of draw lube from metal products.

CCS Energy Services LLC
10845 Hwy. 1 South
Shreveport, La. 71115

Facility 318-797-0087
Fax 318-797-6688

E. REACTIVE CHARACTERISTICS

- ☐ Oxidizer ☐ Pyrophoric ☐ Explosive ☐ Radioactive
☐ Carcinogen ☐ Infectious ☐ Shock Sensitive ☐ Water Reactive

F. Physical Properties

Color Dark **Liquid %** 100 **Sludge %** _____ **Oil %** _____ **Solids %** _____

Specific Gravity >1 **Flash Point** >140 **pH** >12.5 **BTUs** >2500

Single Phase x **or Multi Phase** x

Odor: None Mild **x** Strong Describe _____

Chemical Composition (List all constituents (including halogenated organics, debris, and UHC's) present in any concentration and submit representative analysis) TOTAL COMPOSITION MUST EQUAL OR EXCEED 100%

Constituents	Concentration Range	Constituents	Concentration Range
Water	80-90%	Selenium	<.02
Sodium Hydroxide	10-20%	Silver	<.01
Arsenic	<.05		
Berkum	<.5		
Cadmium	<.01		
Chromium	<3.0		
Lead	<1.0		
Mercury	<.001		

G. Certification

I certify that all information submitted in this and all attached documents is complete and accurate and that all known or suspected hazards have been disclosed. I further certify that any analytical and/or samples submitted in conjunction with this document are representative of the waste to be shipped.

Authorized Generator Signature Tony D. Kuehl Date 5-23-09

Printed Name / Title Larry Hubbard Env. Rep.

H. ARKLA USE ONLY**Status: Approved / Rejected**

Signature _____ **Arkla Representative**

Signature _____ **City of Shreveport Representative**



ERNIE FLETCHER
GOVERNOR

ENVIRONMENTAL AND PUBLIC PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT
HAZARDOUS WASTE BRANCH
14 REILLY ROAD
FRANKFORT, KENTUCKY 40601
www.kentucky.gov

LAJUANA S. WILCHER
SECRETARY

April 21, 2006

Timothy J Hylla, Vice President
Environmental Management Alternatives (EMA)
10627 Midwest Industrial Blvd.
St. Louis, MO 63132

RE: Regulatory Interpretation of Spent Sodium Hydroxide Solution
as an Effective Substitute for a Commercial Chemical Product
Plymouth Extruded Shapes
Hopkinsville, Christian County, Kentucky
EPA ID #: KYD-084-270-461
AI: 787

Dear Mr. Hylla:

The Kentucky Division of Waste Management (Division) received your request for interpretation of 401 KAR 31:010 Section 2(5) for reuse and/or recycling of spent sodium hydroxide solution on April 8, 2006 and additional supportive information on April 19, 2006 as an effective commercial chemical product. A commercial chemical product is defined at 401 KAR 31:010 Section 2(5)(a)2 as *"Materials are not waste when they can be shown to be recycled by being used or reused as effective substitute(s) for the commercial products."*

The Division understands that the sodium hydroxide waste is generated by taking a carbon or stainless shape up to 3" wide and 20' long and pulling (cold drawing) it through a die to actually change the shape. A lubricant is used to lubricate the piece as it passes through the die. Once the draw is complete, the product is dipped into the sodium hydroxide for cleaning purposes. Plymouth Extruded Shapes annually generates around 4,000 gallons of the waste. Plymouth Extruded Shapes plans to sent the sodium hydroxide waste to Arkla Disposal Services (Wastewater Processing Plant) in Shreveport, LA where will be use as feedstock for the wastewater plant.

Based on the information provided, we agree that the sodium hydroxide can be used as effective substitute for the commercial product of sodium hydroxide and, therefore, this sodium hydroxide is not considered a waste when used as a commercial chemical product and is not subject to the hazardous waste regulations. We understand that the reuse process will take

Timothy J Hylla
EMA / Plymouth Extruded Shapes
April 21, 2006
Page 2 of 3

place in an agreement between Plymouth Extruded Shapes and Arkla Disposal Services which actually will reuse the sodium hydroxide material. Because the material is considered a product, no manifest will be required. However, the reuse of material is regulated and limited under the 401 KAR 31:010 Table 2 and 401 KAR 31:010 Section 2(3)(d).

If this material is accumulated on-site for too long, it becomes a solid waste pursuant to the speculative accumulation provisions. Specifically, the regulations state that a material is not accumulated speculatively if: 1) the material is potentially recyclable; 2) there are feasible means of recycling the material; and 3) 75% by weight or volume of the amount of the material accumulated at the beginning of the calendar year (January 1) is either recycled or transferred to a different site for recycling during the calendar year. If 75% of the material is not recycled in the specified time frame, the material becomes a solid waste on January 1 of the following year.

Therefore, based on above provisions and interpretations, Plymouth Extruded Shapes must be able to demonstrate that:

- The sodium hydroxide is being used as cited above, and not merely capable of such use. (We suggest keeping documentation to support the claim that the sodium hydroxide is being used in a manner that is within the scope of this exclusion).
- 75% of the sodium hydroxide is being recycled under the one-year calendar provisions.

The approval determination of this Division stands as long as:

- The process is handled as proposed, in accordance with 401 KAR 31:010 Section 2(5)(a)2 for the material being recycled/reused as a commercial product.
- The sodium hydroxide is on-specification according to the Arkla Disposal Services requirements for the recycling process.
- It is used as an ingredient without prior treatment or reclamation process.

Plymouth Extruded Shapes should be aware that the event of the discontinuation of the recycling/reuse program agreement with Arkla Disposal Services or any similar program and/or off-specification, the sodium hydroxide will be considered a hazardous waste and therefore must be managed in accordance with RCRA regulations.

Also it will be required that a modification of Plymouth Extruded Shapes' hazardous waste activities registration form be made to remove sodium hydroxide as a waste stream.

Material / Product Approval Letter

Date **12/17/2008**

Dear **Corey Green**

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3117

Expiration Date 12/17/2010

Producer: Valero Refining Co Texas

Address: 9701 Manchester
Houston, TX 77012-2408

Material / Product Information

Name of Material / Product Sulfidic caustic

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Gas scrubber

Color: brown

Odor: sulfide

pH:

Physical State:

Incompatibilities: acids, oxidizers

Safety Related Data/Special Handling:

level c

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

17/3/17



CES Environmental Services, Inc.

Port Arthur

☐ **CES Environmental Services – Houston Facility**
 4904 Griggs Road, Houston, TX 77021
 Phone: (713) 676-1460 Fax: (713) 676-1676
 TCEQ Industrial Solid Waste Permit No: 30948
 U.S. EPA ID No: TXD008950461 ISWR No: 30900

☒ **CES Environmental Services – Port Arthur Facility**
 2420 S. Gulfway Drive, Port Arthur, TX 77641
 Phone: (713) 676-1460 Fax: (713) 676-1676
 U.S. EPA ID No: TXR000079307 ISWR No: 88585

SECTION 1: Material Producer Information

Company: Valero Houston Refinery
 Address: 9701 Manchester
 City, State, Zip: Houston, TX 77012-2408
 Contact: Cory Green Title: Environmental Engineer
 Phone No: 713-923-3378 Fax No: 713-923-3561
 24/hr Phone: CES: 713-676-1460
 U.S. EPA I.D. No: SIC Code:
 State I.D.:

SECTION 2: Billing Information – ☐ Same as Above

Company: Evergreen Disposal Solutions Inc.
 Address: P.O. Box 58198
 City, State, Zip: Webster, TX 77598-8198
 Contact: Craig Byard Title: President
 Phone No: 281-910-0877 Fax No:

SECTION 3: General Description of the Material / Product

Name of Material / Product: Sulfidic Caustic

Detailed Description of Process Generating or Producing the Material / Product: Gas Scrubber

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Brown Odor: Sulfide

Specific Gravity (water=1): 1.025 Density: 9-10 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
 Container Size: 5000 g

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☒ Yearly
 Number of Units (containers): 70 Other: Product

Proper U.S. DOT Shipping Name: RQ, Corrosive liquids, n.o.s. (sodium hydroxide), 8, UN 1760, PG-II (Sulfidic Caustic)

Class: 8 UN/NA: UN 1760 PG: PG-II RQ: 100

Flash Point >140	pH 12.5-14.0	N/A	N/A	Solids <2%
Oil & Grease <1.0mg/l	TOC >1500mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Sodium Hydroxide	1-20	%
Sulfide	0.10-3.00	%
Oil and residual hydrocarbons	0-1	%
Dirt	0-2	%
Water	80-99	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

Level C

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

CES Analysis

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

acids, oxidizers

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Craig Byard

Date: 12-17-2008

Printed Name/Title: Craig Byard President

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>Robert E. Byrd</u>	
Date: <u>12-17-08</u>	Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>
Approval Number: <u>3117</u>	



**CES Environmental
Services, Inc.**

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

To: Gary Brauckman
Cc: Keli Lofton, Gary Peterson, Prabhaker

Date: 06/19/08

From: Miles Root

Lab Memo: 08-110

Subject: **Valero Evaluation 0608-43**

A sample of sulfidic caustic from Valero, Houston has been evaluated for processing at CES. This sample is evaluation 0608-43. Overall, this is a very weak sulfidic caustic that may be processed at CES to recovery the small amount of sulfides.

A composite of a top, middle and bottom sample was prepared and analyzed. This sample is a very weak caustic with corresponding weak sulfide content, and no mercaptan sulfur. Our potential treatment would consist of acidification to recovery the hydrogen sulfide. This would be run in our SIB tank system. Since we will produce very little hydrogen sulfide from this stream for the work involved we need to make sure we are covering our costs for disposal. The table below summarizes the analytical work.

Valero Eval 0608-43	
Specific Gravity	1.025
NaOH, wt%	1.2
Sulfide, as S, wt%	0.15
RSH, as S, wt%	0

used as feed for NaSH

Gary Brauckman

From: Miles Root
Sent: Monday, June 23, 2008 10:56 AM
To: Gary Brauckman
Subject: Valero pH

Valero composite pH on evaluation 0608-43 is 12.5.

Miles Root
Laboratory Research and Development Specialist
CES Environmental Services, Inc.
4904 Griggs Road
Houston, TX 77021
Cell: 832-607-6678
Fax: 713-748-8664

Gary Brauckman

From: Miles Root
Sent: Wednesday, June 18, 2008 2:42 PM
To: Gary Brauckman
Subject: Valero

SG = 1.025
NaOH, wt% = 1.2
Sulfides, as S, wt% = 0.15
RSH, wt% = 0

This is a very weak sulfidic caustic stream.

Miles Root
Laboratory Research and Development Specialist
CES Environmental Services, Inc.
4904 Griggs Road
Houston, TX 77021
Cell: 832-607-6678
Fax: 713-748-8664



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

40 cents per gallon Trans \$70.00 per hour plus Fuel Surcharge

2. Contamination Limits (maximum limit before surcharges apply):

none

3. Surcharge Pricing:

none

4. Special Testing Requirements:

Sulfidic Caustic Evaluation

5. Treatment and Handling Protocol:

Process through Reactor Vessel for the recovery of sulfur compounds in the production of Nash

feedstock for Nash

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☒ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

NA

8. Management for Product Recovered/Recycled (if applicable):

NasH

Material / Product Approval Letter

Date **12/29/2008**

Dear **Monica Soileau**

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3126

Expiration Date 12/29/2010

Producer: Conoco Phillips (Westlake LA)

Address: 2200 Old Spanish Trail
Westlake, LA 70669

Material / Product Information

Name of Material / Product Spent sulfuric acid

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Off-spec material from manufacturing process

Color: dark red

Odor: slight pungent

pH: 0-1

Physical State:

Incompatibilities: Metals, oxidizing agents

Safety Related Data/Special Handling:

Chemical suit, rubber gloves, rubber boots, safety goggles, face shield, hard hat

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



☐ CES Environmental Services – Houston Facility
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

☒ CES Environmental Services – Port Arthur Facility
2420 S. Gulfway Drive, Port Arthur, TX 77641
Phone: (713) 676-1460 Fax: (713) 676-1676
U.S. EPA ID No: TXR000079307 ISWR No: 88585

SECTION 1: Material Producer Information

Company: ConocoPhillips
Address: 2200 Old Spanish Trail
City, State, Zip: Westlake, LA 70669
Contact: Cheryl Manuel Title: _____
Phone No: 337-491-5188 Fax No: _____
24/hr Phone: 337-491-5188
U.S. EPA I.D. No: NA
State I.D. NA SIC Code: NA

SECTION 2: Billing Information – ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Material / Product

Name of Material / Product: Spent Sulfuric Acid

Detailed Description of Process Generating or Producing the Material / Product: Off-spec material from manufacturing process

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Dark Red

Odor: Slight Pungent

Specific Gravity (water=1): 1.84

Density: 15 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: _____ 4500 _____

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 2 Other: _____

Proper U.S. DOT Shipping Name:

Product
RQ, Sulfuric Acid, Spent, 8, UN1832, PG II

Class: 8

UN/NA: UN1832

PG: PG II

RQ: 1000

Flash Point >150	pH 0-1	N/A	N/A	Solids 0%
Oil&Grease NAmg/l	TOC NAmg/l	Zinc NAmg/l	Copper NAmg/l	Nickel NAmg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Sulfuric Acid	90-92	%
Water	8-10	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
Chemical Suit, Rubber Gloves, Rubber Boots, Safety Goggles, Face Shield, Hard Hat

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Metals, Oxidizing Agents

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____ Date: 12/22/08

Printed Name/Title: NA- Product

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>Robert Taylor</u>	
Date: <u>12-29-08</u>	Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>
Approval Number: <u>3126</u>	

PROCESS FACILITY INFORMATION (CES USE ONLY!!)**1. Base Pricing (including freight):**

Pay ConocoPhillips \$50.00 per ton

2. Contamination Limits (maximum limit before surcharges apply):**3. Surcharge Pricing:**

N/A

4. Special Testing Requirements:

Test material by making a test run with sulfidic
CS-516 to ensure standard reaction occurs and that oil
does not float to the top after each reaction. Specific gravity
should be 1.81 and have a dark red color.

5. Treatment and Handling Protocol:**6. Treated Wastewater Discharge Subcategory:**☐ Subcategory A☐ Subcategory B☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. **Tests for Product Recovered/Recycled (if applicable):**

--

8. **Management for Product Recovered/Recycled (if applicable):**

--

Material Safety Data Sheet

Sulfuric acid 90-98%

ACC# 22350

Section 1 - Chemical Product and Company Identification

MSDS Name: Sulfuric acid 90-98%

Catalog Numbers: AC124640000, AC124640010, AC124640011, AC124640025, AC124640026, AC124645000, AC124645001, AC133610000, AC133610011, AC133610025, AC133610026, AC133610051, AC302070000, AC302070010, AC302070011, AC302070025, AC302070026, AC388270000, AC424520000, AC424520026, AC424525001, 13361-0010, 42452-0025, 42452-5000, A298-212, A298N119, A300-212, A300-225LB, A300-500, A300-500LC, A300-612GAL, A300-700LB, A300C-212, A300C-212002, A300C-212003, A300C-212LC, A300C212004, A300C212005, A300C212006, A300C212007, A300C212008, A300C212009, A300C212010, A300J-500, A300P-500, A300S-212, A300S-212LC, A300S-500, A300SI-212, A468-1, A468-2, A468-250, A468-500, A484-212, A510-212, A510-500, A510SK-212, NC9008405, NC9825433, S71211SC, S71211SCMF, S79200, SA174-212, SA174-4, SA176-4, SA196-500

Synonyms: Hydrogen sulfate; Oil of vitriol; Vitriol brown oil; Mattling acid; Battery acid; Sulphuric acid; Electrolyte acid; Dihydrogen sulfate; Spirit of sulfur; Chamber acid.

Company Identification:

Fisher Scientific
1 Reagent Lane
Fair Lawn, NJ 07410

For information, call: 201-796-7100**Emergency Number:** 201-796-7100**For CHEMTREC assistance, call:** 800-424-9300**For International CHEMTREC assistance, call:** 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
7664-93-9	Sulfuric acid	90-98	231-639-5

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: clear colorless to yellow liquid.

Danger! Causes eye and skin burns. Causes digestive and respiratory tract burns. May be fatal if mist inhaled. Strong inorganic acid mists containing sulfuric acid may cause cancer. Concentrated sulfuric acid reacts violently with water and many other substances under certain conditions. May cause lung damage. Hygroscopic (absorbs moisture from the air). Corrosive to metal.

Target Organs: Lungs, teeth, eyes, skin.

Potential Health Effects

Eye: Causes severe eye burns. May cause irreversible eye injury. May cause blindness. May cause permanent corneal opacification. The severity of injury depends on the concentration of the solution and the duration of exposure.

Skin: Causes skin burns. The severity of injury depends on the concentration of the solution and the duration of exposure.

Ingestion: May cause severe and permanent damage to the digestive tract. Causes gastrointestinal tract burns.

Inhalation: May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema. Causes chemical burns to the respiratory tract. Inhalation may be fatal as a result of spasm, inflammation, edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema. Because its vapor pressure is negligible, it exists in the air only as a mist or spray. Exposure may impair lung function and cause mucostasis (reduced mucous clearance).

Chronic: Prolonged or repeated skin contact may cause dermatitis. Prolonged or repeated inhalation may cause nosebleeds, nasal congestion, erosion of the teeth, perforation of the nasal septum, chest pain and bronchitis. Prolonged or repeated eye contact may cause conjunctivitis. Effects may be delayed. Workers chronically exposed to sulfuric acid mists may show various lesions of the skin, tracheobronchitis, stomatitis, conjunctivitis, or gastritis. Occupational exposure to strong inorganic acid mists containing sulfuric acid is carcinogenic to humans.

Section 4 - First Aid Measures

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.

Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

Ingestion: If swallowed, do NOT induce vomiting. Get medical aid immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

Inhalation: POISON material. If inhaled, get medical aid immediately. Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician: Monitor arterial blood gases, chest x-ray, and pulmonary function tests if respiratory tract irritation or respiratory depression is evident. Treat dermal irritation or burns with standard topical therapy. Effects may be delayed. Do NOT use sodium bicarbonate in an attempt to neutralize the acid.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Use water spray to keep fire-exposed containers cool. Substance is noncombustible. Contact with water can cause violent liberation of heat and splattering of the material. Contact with metals may evolve flammable hydrogen gas. Runoff from fire control or dilution water may cause pollution. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Strong dehydrating agent, which may cause ignition of finely divided materials on contact. Oxides of sulfur may be produced in fire.

Extinguishing Media: Use extinguishing media most appropriate for the surrounding fire. Do NOT get water inside containers. If water is used, care should be taken, since it can generate heat and cause splattering if applied directly to sulfuric acid.

Flash Point: Not applicable.

Autoignition Temperature: Not available.

Explosion Limits, Lower: Not available.

Upper: Not available.

NFPA Rating: (estimated) Health: 3; Flammability: 0; Instability: 2; Special Hazard: -W-

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Carefully scoop up and place into appropriate disposal container. Provide ventilation. Do not get water inside containers. Cover with dry earth, dry sand, or other non-combustible material followed with plastic sheet to minimize spreading and contact with water.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Do not allow water to get into the container because of violent reaction. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Discard contaminated shoes. Use only with adequate ventilation. Do not breathe spray or mist. Do not use with metal spatula or other metal items. Inform laundry personnel of contaminant's hazards.

Storage: Do not store near combustible materials. Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances. Do not store near alkaline substances. Store protected from moisture. Ideally, sulfuric acid should be stored in isolation from all other chemicals in an approved acid or corrosives safety cabinet.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use a corrosion-resistant ventilation system.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Sulfuric acid	0.2 mg/m ³ TWA (thoracic fraction)	1 mg/m ³ TWA 15 mg/m ³ IDLH	1 mg/m ³ TWA

OSHA Vacated PELs: Sulfuric acid: 1 mg/m³ TWA

Personal Protective Equipment

Eyes: Wear chemical splash goggles and face shield.

Skin: Wear neoprene gloves, apron, and/or clothing. Viton gloves are recommended.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance: oily - clear colorless to yellow

Odor: odorless
pH: 0.3 (1N solution)
Vapor Pressure: < 0.001 mm Hg @ 20 deg C
Vapor Density: 3.38 (air=1)
Evaporation Rate: Slower than ether.
Viscosity: 21 mPas @ 25 C
Boiling Point: 290 - 338 deg C
Freezing/Melting Point: 10 deg C
Decomposition Temperature: 340 deg C
Solubility: Soluble with much heat
Specific Gravity/Density: 1.84
Molecular Formula: H₂SO₄
Molecular Weight: 98.07

Section 10 - Stability and Reactivity

Chemical Stability: Sulfuric acid reacts vigorously, violently or explosively with many organic and inorganic chemicals and with water.

Conditions to Avoid: Excess heat, exposure to moist air or water, Note: Use great caution in mixing with water due to heat evolution that causes explosive spattering. Always add the acid to water, never the reverse..

Incompatibilities with Other Materials: Metals, oxidizing agents, reducing agents, bases, acrylonitrile, chlorates, finely powdered metals, nitrates, perchlorates, permanganates, epichlorohydrin, aniline, carbides, fulminates, picrates, organic materials, flammable liquids.

Hazardous Decomposition Products: Oxides of sulfur.

Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:

CAS# 7664-93-9: WS5600000

LD50/LC50:

CAS# 7664-93-9:

Draize test, rabbit, eye: 250 ug Severe;
Inhalation, mouse: LC50 = 320 mg/m³/2H;
Inhalation, mouse: LC50 = 320 mg/m³;
Inhalation, rat: LC50 = 510 mg/m³/2H;
Inhalation, rat: LC50 = 510 mg/m³;
Oral, rat: LD50 = 2140 mg/kg;

Carcinogenicity:

CAS# 7664-93-9:

- **ACGIH:** A2 - Suspected Human Carcinogen (contained in strong inorganic acid mists)
- **California:** carcinogen, initial date 3/14/03 (listed as Strong inorganic acid mists containing sulfuric acid).
- **NTP:** Known carcinogen (listed as Strong inorganic acid mists containing s).
- **IARC:** Group 1 carcinogen

Epidemiology: Workers exposed to industrial sulfuric acid mist showed a statistical increase in laryngeal cancer. This suggests a possible relationship between carcinogenesis and inhalation of sulfuric acid mist.

Teratogenicity: Sulfuric acid was not teratogenic in mice and rabbits, but was slightly embryotoxic in rabbits (a minor, rare skeletal variation). The animals were exposed to 5 and 20 mg/m³ for 7 hr/day throughout pregnancy. Slight maternal toxicity was present at the highest dose in both species.

Reproductive Effects: No information found

Mutagenicity: There are no mutagenicity studies specifically of sulfuric acid. However, there are established effects of reduced pH in mutagenicity testing, as would be caused by sulfuric acid. These effects are an artifact of low pH and are not necessarily due to biological effects of sulfuric acid itself.

Neurotoxicity: No information found

Other Studies:

Section 12 - Ecological Information

Ecotoxicity: Fish: Bluegill/Sunfish: 49 mg/L; 48Hr; TLm (tap water @ 20C)

Fish: Bluegill/Sunfish: 24.5 ppm; 48Hr; TLm (fresh water)

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	SULFURIC ACID	SULFURIC ACID
Hazard Class:	8	8
UN Number:	UN1830	UN1830
Packing Group:	II	II

Section 15 - Regulatory Information

US FEDERAL

TSCA

CAS# 7664-93-9 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

CAS# 7664-93-9: 1000 lb final RQ; 454 kg final RQ

SARA Section 302 Extremely Hazardous Substances

CAS# 7664-93-9: 1000 lb TPQ

SARA Codes

CAS # 7664-93-9: immediate, delayed, reactive.

Section 313

This material contains Sulfuric acid (CAS# 7664-93-9, 90-98%), which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

CAS# 7664-93-9 is listed as a Hazardous Substance under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 7664-93-9 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California Prop 65

The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:

WARNING: This product contains Sulfuric acid, listed as 'Strong inorganic acid mists contain', a chemical known to the state of California to cause cancer.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations**European Labeling in Accordance with EC Directives****Hazard Symbols:**

C

Risk Phrases:

R 35 Causes severe burns.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 30 Never add water to this product.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 7664-93-9: 2

Canada - DSL/NDSL

CAS# 7664-93-9 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of D2A, D1A, E.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

CAS# 7664-93-9 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information
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MSDS Creation Date: 4/22/1999


Revision #15 Date: 2/13/2008

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

Timothy J Hyla
EMA / Plymouth Extruded Shapes
April 21, 2006
Page 3 of 3

Should you have any questions, please contact Maridely M. Loyselle at (502) 564-6716, extension 220.

Sincerely,



for April J. Webb P.E., Manager
Hazardous Waste Branch
Division of Waste Management

AJW/mml

c: Otis Johnson, EPA Region IV
John Jump, Hazardous Waste Branch
Maridely M. Loyselle, Hazardous Waste Branch
Jan Jasper, Hazardous Waste Branch
Malinda Mays, Hazardous Waste Branch
Diana Adams, Madisonville Regional Field Office
File Room – Main File
Reading File

Mr. Randy Hubbard
Environmental Manager
Plymouth Extruded Shapes
201 Commerce Court,
Hopkinsville, KY 42240



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 1/8/2009

Dear

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3135

Expiration Date 1/8/2011

Producer: RasGas
Address: PO BOX 24200
DOHA - QATAR,

Material / Product Information

Name of Material / Product Sulfidic Caustic Solution

Container Type: Ship

Detailed Description of Process Generating or Producing the Material / Product:

Processing of fuels using caustic to remove sulfides

Color: brown to red **Odor:** sulfur / H₂S smell **pH:** 6-11

Physical State:

Incompatibilities: Metals, Strong Acids

Safety Related Data/Special Handling:

Chemical Suit, Rubber Gloves, Rubber boots, Safety Goggles, Face Shield, Hard Hat

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

MBI
JR



CES Environmental
Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

need approval
ex system

PH 3135-PA

SECTION 1: Material Producer Information

Company : RasGas
Address : PO BOX 24200 PO BOX 24200
City, State, Zip : DOHA - QATAR
Contact : Title :
Phone No : Fax :
24 / HR Phone :
U.S EPA I.D No :
State I.D : SIC Code

SECTION 2: Billing Information

Company : RasGas
Address : PO BOX 24200 PO BOX 24200
City, State, Zip : DOHA - QATAR
Contact : Title :
Phone No : Fax :

SECTION 3: General Description of the Material / Product

Name of Material / Product : Sulfidic Caustic Solution

Detailed Description of the Process Generating or Producing the Material / Product:

Processing of fuels using caustic to remove sulfides

Physical State : ☐ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : brown to red Odor : sulfur / H2S smell

Specific Gravity (Water=1) : 1.03 Density : 8.6-9.2 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain) Ship

Container Size : 340,000 gallon:

Number Of Units : 1

Proper U.S. DOT Shipping Name : Sodium Hydroxide Solution

Class : 8 UN/NA : UN1824 PG : II RQ :

Flash Point 7150	pH 6-11	Reactive Sulfides 7100 mg/l	Reactive Cyanides na mg/l	Solids 0 %
Oil and Grease mg/l	TOC mg/l	Zinc mg/l	Copper mg/l	Nickel mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
Sodium Hydroxide		8-10	%
Water		90-92	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

Chemical Suit, Rubber Gloves, Rubber boots, Safety Goggles, Face Shield, Hard Hat

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Metals, Strong Acids

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : _____

Printed Name / Title : _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information :

Compliance Officer : Robert Thompson

Date : 1-8-09 Status : Approved Rejected

Approval Number : PA-3135

Material / Product Approval Letter

Date **1/8/2009**

Dear **Randy Woolvine**

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3136

Expiration Date 1/8/2011

Producer: Citgo Refinery
Address: 4401 LA Hwy 108
Lake Charles, LA 70665

Material / Product Information

Name of Material / Product Phenolic Caustic Solution

Container Type: Barge

Detailed Description of Process Generating or Producing the Material / Product:

Processing of fuels using caustic to remove sulfides

Color: red to brown **Odor:** slight to medium **pH:** 10.5-12.5

Physical State:

Incompatibilities: Metals, Oxidizing Agents

Safety Related Data/Special Handling:

Chemical Suits, Rubber Gloves, Rubber Boots, Safety Goggles, Face Shield, Hard Hat

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

MBJ
JR



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

Need Approval in
System.
P# 3136-PA

SECTION 1: Material Producer Information

Company : Citgo Refinery
Address : 4401 LA Hwy 108 4401 LA Hwy 108
City, State, Zip : Lake Charles LA 70665
Contact : Mike Robison Title :
Phone No : (337) 708-6344 Fax :
24 / HR Phone :
U.S EPA I.D No :
State I.D : SIC Code

SECTION 2: Billing Information

Company : Citgo Accounts Payable
Address : P. O. Box 4970
City, State, Zip : Houston TX 77210
Contact : Randy Woolvine Title :
Phone No : (337) 708-8274 Fax : (337) 708-6289

SECTION 3: General Description of the Material / Product

Name of Material / Product : Phenolic Caustic Solution

Detailed Description of the Process Generating or Producing the Material / Product:

Processing of fuels using caustic to remove sulfides

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : red to brown Odor : slight to medium

Specific Gravity (Water=1) : 1-1.2 Density : 9.5-10 lbs / gal

Does this material contain any total phenolic compounds? ☒ Yes ☐ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain) Barge

Container Size : 340K gallons

Number Of Units : 2

Proper U.S. DOT Shipping Name : Sodium Hydroxide Solution

Class : 8 UN/NA : UN1824 PG : II RQ :

Flash Point N/A	pH 10.5-12.5	Reactive Sulfides N/A mg/l	Reactive Cyanides N/A mg/l	Solids 0 %
Oil and Grease N/A mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
Sodium Hydroxide		3-12	%
Phenols		7,500 -250,000	mg/ l
Water		88-97	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

Chemical Suits, Rubber Gloves, Rubber Boots, Safety Goggles, Face Shield, Hard Hat

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Metals, Oxidizing Agents

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : _____

Printed Name / Title : _____ / _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information :

Compliance Officer :

Robert E. Thompson

Date :

1-8-09

Status :

Approved

Rejected

Approval Number :

PA-3136



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 1/8/2009

Dear **Randy Woolvine**

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3137

Expiration Date 1/8/2011

Producer: Citgo Refinery

Address: 4401 LA Hwy 108
Lake Charles, LA 70665

Material / Product Information

Name of Material / Product Napthenic Caustic Solution

Container Type: Barge

Detailed Description of Process Generating or Producing the Material / Product:

Processing of fuels using caustic to remove sulfides

Color: brown to red **Odor:** slight to medium **pH:** 6-12.5

Physical State:

Incompatibilities: Metals, Oxidizing Agents

Safety Related Data/Special Handling:

Chemical Suit, Rubber Gloves & boots, Safety Goggles, Face Shield, Hard Hat

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

MBJ
JR



CES Environmental
Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

Need Approval in
System
P#3137-PA

SECTION 1: Material Producer Information

Company : Citgo Refinery
Address : 4401 LA Hwy 108 4401 LA Hwy 108
City, State, Zip : Lake Charles LA 70665
Contact : Mike Robison Title :
Phone No : (337) 708-6344 Fax :
24 / HR Phone :
U.S EPA I.D No :
State I.D : SIC Code

SECTION 2: Billing Information

Company : Citgo Accounts Payable
Address : P. O. Box 4970
City, State, Zip : Houston TX 77210
Contact : Randy Woolvine Title :
Phone No : (337) 708-8274 Fax : (337) 708-6289

SECTION 3: General Description of the Material / Product

Name of Material / Product : Napthenic Caustic Solution

Detailed Description of the Process Generating or Producing the Material / Product:

Processing of fuels using caustic to remove sulfides

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : brown to red Odor : slight to medium

Specific Gravity (Water=1) : .95-1.1 Density : 8.5-9 lbs / gal

Does this material contain any total phenolic compounds? ☒ Yes ☐ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☐ No

Layers : ☒ Single-Phas ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☐ Truck ☒ Other (explain) Barge

Container Size : 340K gallons

Number Of Units : 2

Proper U.S. DOT Shipping Name : Sodium Hydroxide Solution

Class : 8 UN/NA : UN1760 PG : II RQ :

Flash Point N/A	pH 6-12.5	Reactive Sulfides N/A mg/l	Reactive Cyanides N/A mg/l	Solids 0 %
Oil and Grease N/A mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
Sodium Hydroxide		0-1	%
Napthenic Acid		2-6	%
Phenols		<10K	mg / l
Water		93-98	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

Chemical Suit, Rubber Gloves & boots, Safety Goggles, Face Shield, Hard Hat

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Metals, Oxidizing Agents

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : _____ Date : _____

Printed Name / Title : _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information :

Compliance Officer : Robert R. Thyer

Date : 1-7-09 Status : Approved Rejected

Approval Number : PA-3137



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 1/29/2009

Dear Sal Amato

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3163

Expiration Date 1/29/2011

Producer: Sochem

Address:

Material / Product Information

Name of Material / Product Sulfidic Caustic Solutions > 15%

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Spent Caustic used to scrub sulfids from fuel products

Color: brown to red

Odor: sulphur h2s smell

pH: 10-12

Physical State:

Incompatibilities:

Safety Related Data/Special Handling:

PPE H2S monitor

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

#3103



CES Environmental
Services, Inc.

JR
MB

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Material Producer Information

Company : Sochem
Address : P.O. Box 1912
City, State, Zip :
Contact : Sal Amato Title :
Phone No : (225) 644-3180 Fax :
24 / HR Phone :
U.S EPA I.D No :
State I.D : SIC Code

SECTION 2: Billing Information

Company : Sochem
Address : P.O. Box 1912
City, State, Zip :
Contact : Sal Amato Title :
Phone No : (225) 644-3180 Fax :

SECTION 3: General Description of the Material / Product

Name of Material / Product : Sulfidic Caustic Solutions > 15%

Detailed Description of the Process Generating or Producing the Material / Product:

Spent Caustic used to scrub sulfids from fuel products

Physical State : ☐ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : brown to red Odor : sulphur h2s smell

Specific Gravity (Water=1) : 1.32 Density : 11 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☐ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☐ No

Layers : ☐ Single-Phas ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size : 4500 g

Number Of Units : 2

Proper U.S. DOT Shipping Name : sodium hydroxide solution, 8, un1824, II

Class : 8 UN/NA : 1824 PG : 2 RQ :

Flash Point >140	pH 10-12	Reactive Sulfides NA mg/l	Reactive Cyanides NA mg/l	Solids NA %
Oil and Grease NA mg/l	TOC NA mg/l	Zinc NA mg/l	Copper NA mg/l	Nickel NA mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
water		70-85	%
sodium hydroxide		15-30	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

PPE H2S monitor

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

SECTION 8: Material Producer's Certification

The information contained herein is based on ☐ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature :

Date :

Printed Name / Title : /

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information :

Compliance Officer : Matt Bowman

Date : 1/28/2009

Status : Approved

Rejected

Approval Number :

PA-3163



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

#100/dry ton - paying

2. Contamination Limit (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

Titration, Density & PH

5. Treatment and Handling Protocol:

Raw Stock for NASH

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 2/12/2009

Dear **Ramiz Talifaz**

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3164

Expiration Date 2/12/2011

Producer: Kosovo Government
Address:

Material / Product Information

Name of Material / Product Disulfide Oil

Container Type: Iso Container

Detailed Description of Process Generating or Producing the Material / Product:

Containers of oil consolidated into iso containers

Color: Green, Born to Black **Odor:** Pungent **pH:** 4-10

Physical State:

Incompatibilities: Bleach, Strong Oxidizers, Reducing Agents, Acids corrosive to
Copper & Copper Alloys

Safety Related Data/Special Handling:

FLAMMABLE PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

#3104

CES Environmental
Services, Inc.MB
JR4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Material Producer Information

Company : Kosovo Government

Address :

City, State, Zip :

Contact :

Title :

Phone No :

Fax :

24 / HR Phone :

U.S EPA I.D No :

State I.D :

SIC Code

SECTION 2: Billing Information

Company : Kosovo Government

Address :

City, State, Zip :

Contact :

Ramiz Talifaz

Title :

Phone No :

(281) 300-5322

Fax :

SECTION 3: General Description of the Material / Product

Name of Material / Product : Disulfide Oil

Detailed Description of the Process Generating or Producing the Material / Product:

Containers of oil consolidated into iso containers

Physical State :

☒ Liquid☐ Sludge☐ Powder☐ Solid☐ Filter Cake☐ Combination

Color :

Green, Born to Black

Odor :

Pungent

Specific Gravity (Water=1) :

.99-1.06

Density :

8.2-8.8

lbs / gal

Does this material contain any total phenolic compounds?

☐ Yes☒ No

Does this material contain any para substituted phenolic compounds?

☐ Yes☒ No

Layers :

☒ Single-Phas☐ Multi-Phase

Container Type :

☐

Drum

☐

Tote

☐

Truck

☒

Other (explain)

Iso Container

Container Size :

3000gallons

Number Of Units :

3

Proper U.S. DOT Shipping Name :

RQ, UN1993, Flammable Liquids, N.O.S. (disulfide oil), 3, PG II

Class :

3

UN/NA :

UN 1993

PG :

II

RQ :

100

Flash Point <86	pH 4-10	Reactive Sulfides N/A mg/l	Reactive Cyanides N/A mg/l	Solids 0 %
Oil and Grease >1500 mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
WATER	0-5	%
DISULFIDE OIL SOLUTIONS	95-100	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

FLAMMABLE PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Bleach, Strong Oxidizers, Reducing Agents, Acids corrosive to Copper & Copper Alloys

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature :

Matt Bowman N/A per Matt Bowman Date *2-12-09*

Printed Name / Title : /

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : Matt Bowman

Matt Bowman

Process Facility Information :

\$128,946.82 for 3 iso containers

Date : 2-12-09

Status :

Approved

Rejected

Approval Number :

PA-3164

#3164



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$128,946.82 for 320 containers

2. Contamination Limit (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

Sodium, BTU, Ash, Zinc, Iron & Chlorides

5. Treatment and Handling Protocol:

Sold as is to PEARL

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

PRODUCT IDENTIFICATION AND USE

MANUFACTURER: CES ENVIRONMENTAL SERVICES, INC.
4904 GRIGGS ROAD
HOUSTON, TX 77021
EMERGENCY PHONE NUMBER: (713) 676-1460
PRODUCT IDENTIFIER: DISULFIDE OIL
PRODUCT USE: SULFIDING AGENT
WHMIS CLASSIFICATION: B2 - FLAMMABLE LIQUID.
D1A - VERY TOXIC MATERIAL CAUSING IMMEDIATE AND
SERIOUS TOXIC EFFECTS
D2B - TOXIC MATERIAL CAUSING OTHER TOXIC EFFECTS

HAZARDOUS INGREDIENTS

	%W/W	CAS #	TLV
DISULFIDE OIL SOLUTIONS	95	None	ACGIH TWA = 0.5 PPM
WATER	5		
LD50: 290 TO 500 MG/KG (ORAL-RATS)			(SKIN)
LD50: >2,000 MG/KG (DERMAL-RATS)			
LC50: 1,310 PPM (4-HR. - INHALATION-RATS)			
<u>NOTE:</u> Mixture of Dimethyl Disulfide, Diethyl Disulfide, Methyl Ethyl Disulfide			

PHYSICAL DATA

PHYSICAL STATE: LIQUID
ODOR AND APPEARANCE: GREEN, BROWN, BLACK LIQUID, STRONG PUNGENT ODOR
ODOR THRESHOLD: 8-10 (PPB)
SPECIFIC GRAVITY/DENSITY (G/ML): 0.99 - 1.06 @ 20°C
VAPOR PRESSURE: 0.4 PSIA
VAPOR DENSITY (AIR = 1): 3.25
VOLATILITY/VOL (%): 100
SOLUBILITY IN H₂O: INSOLUBLE
EVAPORATION RATE: NE
BOILING POINT: 105-120°C
FREEZING POINT: -80°C
PH: NA

86° F

SHIPPING INFORMATION

UN 1993, 3, II, DISULFIDE OIL

U.S.DOT 49 CFR 172.101:

PROPER SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S. (DISULFIDE OIL)

ID NUMBER: UN1993

HAZARD CLASS OR DIVISION: 3

PACKING GROUP: II

LABELING REQUIREMENTS: 3

* NA - NOT APPLICABLE

* NE - NOT ESTABLISHED

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

FIRE AND EXPLOSION HAZARD

<u>FLAMMABILITY:</u>	FLAMMABLE
<u>CONDITIONS:</u>	HEAT, SPARKS, OPEN FLAMES
<u>MEANS OF EXTINCTION:</u>	WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL. WATER MAY BE INEFFECTIVE.
<u>FLASHPOINT:</u>	< 30°C
<u>UPPER EXPLOSION LIMIT (% V):</u>	16 APPROX.
<u>LOWER EXPLOSION LIMIT (% V):</u>	1.1 APPROX.
<u>AUTO-IGNITION TEMPERATURE:</u>	300°C (572°F) APPROX.
<u>HAZARDOUS COMBUSTION PRODUCTS:</u>	OXIDES OF CARBON, SULFUR OXIDES, HYDROGEN SULFIDE
<u>EXPLOSION DATA:</u>	NE
<u>SENSITIVITY TO IMPACT:</u>	NO
<u>SENSITIVITY TO STATIC DISCHARGE:</u>	NO

REACTIVITY

<u>CHEMICAL STABILITY:</u>	STABLE
<u>INCOMPATIBLE MATERIALS:</u>	BLEACH, STRONG OXIDIZERS, REDUCING AGENTS, ACIDS CORROSIVE TO COPPER AND COPPER ALLOYS.
<u>CONDITIONS OF REACTIVITY:</u>	DECOMPOSITION TEMPERATURE: 390°C
<u>HAZARDOUS DECOMPOSITION PRODUCTS:</u>	HYDROGEN SULFIDE, METHYL MERCAPTAN. CAN REACT WITH CARBON STEEL TO FORM PYROPHORIC IRON SULFIDES.

HEALTH HAZARD INFORMATION

ROUTE OF ENTRY

<u>SKIN CONTACT:</u>	MAY CAUSE IRRITATION
<u>SKIN ABSORPTION:</u>	NE
<u>EYE:</u>	MAY CAUSE IRRITATION
<u>INGESTION:</u>	HARMFUL IF SWALLOWED
<u>INHALATION:</u>	HARMFUL IF INHALED
<u>ACUTE OVER EXPOSURE EFFECTS:</u>	NE
<u>CHRONIC OVER EXPOSURE EFFECTS:</u>	NE
<u>SENSITIZATION:</u>	DOES NOT MEET WHMIS CRITERIA
<u>CARCINOGENICITY:</u>	DOES NOT MEET WHMIS CRITERIA
<u>TERATOGENICITY:</u>	DOES NOT MEET WHMIS CRITERIA
<u>MUTAGENICITY:</u>	DOES NOT MEET WHMIS CRITERIA
<u>REPRODUCTIVE TOXICITY:</u>	DOES NOT MEET WHMIS CRITERIA

PREVENTIVE MEASURES

<u>PERSONAL PROTECTIVE EQUIPMENT:</u>	WEAR SAFETY GOGGLES AND IMPERVIOUS GLOVES. WHERE AIRBORNE EXPOSURE IS LIKELY, WEAR A NIOSH APPROVED RESPIRATOR EQUIPPED WITH AN ORGANIC VAPOR CARTRIDGE.
<u>SPECIFIC ENGINEERING CONTROLS:</u>	LOCAL EXHAUST IS RECOMMENDED.

* NA – NOT APPLICABLE

* NE – NOT ESTABLISHED

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

LEAK AND SPILL PROCEDURES:

ABSORB SMALL SPILLS WITH SAND. DIKE LARGE SPILLS AND COVER WITH FOAM OR WATER SPRAY TO REDUCE VAPOR EMISSIONS. TRANSFER TO A CLOSED CONTAINER. TREAT AREA WITH HOUSEHOLD BLEACH TO ELIMINATE ODOR. DO NOT USE SOLID BLEACH.

WASTE DISPOSAL:

HAZARDOUS WASTE. DO NOT ALLOW PRODUCT TO ENTER THE ENVIRONMENT. CONSULT FEDERAL OR LOCAL AUTHORITIES FOR APPROVED DISPOSAL METHODS.

HANDLING PROCEDURES AND EQUIPMENT:

KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. WASH BEFORE EATING, DRINKING, USING TOBACCO PRODUCTS, OR RESTROOMS.

STORAGE REQUIREMENTS:

KEEP IN A CLOSED, LABELED CONTAINER IN A VENTILATED AREA. CONTAINER HAZARDOUS WHEN EMPTY.

FIRST AID MEASURES

EYE:

FLUSH EYES WITH LARGE AMOUNT OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. SEEK MEDICAL ATTENTION.

SKIN:

WASH SKIN WITH WATER AND SOAP. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS OR PERSISTS.

INGESTION:

DO NOT GIVE LIQUIDS IF PERSON IS UNCONSCIOUS OR VERY DROWSY. DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.

INHALATION:

REMOVE PERSON TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, APPLY ARTIFICIAL RESPIRATION AND ADMINISTER OXYGEN IF NECESSARY. SEEK MEDICAL ATTENTION.

REGULATORY INFORMATION

U.S. REGULATIONS:

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4): NOT REGULATED.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30): NOT REGULATED.

SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40): NOT REGULATED.

SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):

ACUTE: NO

CHRONIC: NO

FIRE: YES

REACTIVE: NO

SUDDEN RELEASE: NO

* NA - NOT APPLICABLE

* NE - NOT ESTABLISHED

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

SARA TITLE III SECTION 313 (40 CFR 372.65): NOT REGULATED

OSHA PROCESS SAFETY (29 CFR 1910.119): NOT REGULATED

	PREPARATION DATE
PREPARED BY:	CES TECHNICAL DEPARTMENT
PHONE NUMBER OF PREPARER:	(713) 676-1460
DATE PREPARED (MM/DD/YY):	07/28/08

MINIMUM CONTACT WITH THIS AND ALL CHEMICALS IS RECOMMENDED AS A GOOD GENERAL POLICY TO FOLLOW.

THE INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, SINCE DATA, SAFETY STANDARDS, AND GOVERNMENT REGULATIONS ARE SUBJECT TO CHANGE AND THE CONDITIONS OF HANDLING AND USE OR MISUSE ARE BEYOND OUR CONTROL, CES ENVIRONMENTAL SERVICES, INC. MAKES NO WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. USER SHOULD SATISFY HIMSELF THAT HE HAS ALL CURRENT DATA RELEVANT TO HIS PARTICULAR USE.

* NA – NOT APPLICABLE

* NE – NOT ESTABLISHED

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

PRODUCT IDENTIFICATION AND USE

MANUFACTURER: CES ENVIRONMENTAL SERVICES, INC.
4904 GRIGGS ROAD
HOUSTON, TX 77021
EMERGENCY PHONE NUMBER: (713) 676-1460
PRODUCT IDENTIFIER: DISULFIDE OIL
PRODUCT USE: SULFIDING AGENT
WHMIS CLASSIFICATION: B2 – FLAMMABLE LIQUID,
D1A – VERY TOXIC MATERIAL CAUSING IMMEDIATE AND
SERIOUS TOXIC EFFECTS
D2B – TOXIC MATERIAL CAUSING OTHER TOXIC EFFECTS

HAZARDOUS INGREDIENTS

	%W/W	CAS #	TLV
DISULFIDE OIL SOLUTIONS	95	None	ACGIH TWA = 0.5 PPM
WATER	5		
LD50: 290 TO 500 MG/KG (ORAL-RATS)			(SKIN)
LD50: >2,000 MG/KG (DERMAL-RATS)			
LC50: 1,310 PPM (4-HR. – INHALATION-RATS)			
NOTE: Mixture of Dimethyl Disulfide, Diethyl Disulfide, Methyl Ethyl Disulfide			

PHYSICAL DATA

PHYSICAL STATE: LIQUID
ODOR AND APPEARANCE: GREEN, BROWN, BLACK LIQUID, STRONG PUNGENT ODOR
ODOR THRESHOLD: 8-10 (PPB)
SPECIFIC GRAVITY/DENSITY (G/ML): 0.99 – 1.06 @ 20°C
VAPOR PRESSURE: 0.4 PSIA
VAPOR DENSITY (AIR = 1): 3.25
VOLATILITY/VOL (%): 100
SOLUBILITY IN H₂O: INSOLUBLE
EVAPORATION RATE: NE
BOILING POINT: 105-120°C
FREEZING POINT: -80°C
PH: NA

SHIPPING INFORMATION

UN 1993, 3, II, DISULFIDE OIL

U.S.DOT 49 CFR 172.101:

PROPER SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S. (DISULFIDE OIL)

ID NUMBER: UN1993

HAZARD CLASS OR DIVISION: 3

PACKING GROUP: II

LABELING REQUIREMENTS: 3

* NA – NOT APPLICABLE

* NE – NOT ESTABLISHED

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

FIRE AND EXPLOSION HAZARD

<u>FLAMMABILITY:</u>	FLAMMABLE
<u>CONDITIONS:</u>	HEAT, SPARKS, OPEN FLAMES
<u>MEANS OF EXTINCTION:</u>	WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL. WATER MAY BE INEFFECTIVE.
<u>FLASHPOINT:</u>	< 30°C
<u>UPPER EXPLOSION LIMIT (% V):</u>	16 APPROX.
<u>LOWER EXPLOSION LIMIT (% V):</u>	1.1 APPROX.
<u>AUTO-IGNITION TEMPERATURE:</u>	300°C (572°F) APPROX.
<u>HAZARDOUS COMBUSTION PRODUCTS:</u>	OXIDES OF CARBON, SULFUR OXIDES, HYDROGEN SULFIDE
<u>EXPLOSION DATA:</u>	NE
<u>SENSITIVITY TO IMPACT:</u>	NO
<u>SENSITIVITY TO STATIC DISCHARGE:</u>	NO

REACTIVITY

<u>CHEMICAL STABILITY:</u>	STABLE
<u>INCOMPATIBLE MATERIALS:</u>	BLEACH, STRONG OXIDIZERS, REDUCING AGENTS, ACIDS CORROSIVE TO COPPER AND COPPER ALLOYS.
<u>CONDITIONS OF REACTIVITY:</u>	DECOMPOSITION TEMPERATURE: 390°C
<u>HAZARDOUS DECOMPOSITION PRODUCTS:</u>	HYDROGEN SULFIDE, METHYL MERCAPTAN. CAN REACT WITH CARBON STEEL TO FORM PYROPHORIC IRON SULFIDES.

HEALTH HAZARD INFORMATION

<u>ROUTE OF ENTRY</u>	
<u>SKIN CONTACT:</u>	MAY CAUSE IRRITATION
<u>SKIN ABSORPTION:</u>	NE
<u>EYE:</u>	MAY CAUSE IRRITATION
<u>INGESTION:</u>	HARMFUL IF SWALLOWED
<u>INHALATION:</u>	HARMFUL IF INHALED
<u>ACUTE OVER EXPOSURE EFFECTS:</u>	NE
<u>CHRONIC OVER EXPOSURE EFFECTS:</u>	NE
<u>SENSITIZATION:</u>	DOES NOT MEET WHMIS CRITERIA
<u>CARCINOGENICITY:</u>	DOES NOT MEET WHMIS CRITERIA
<u>TERATOGENICITY:</u>	DOES NOT MEET WHMIS CRITERIA
<u>MUTAGENICITY:</u>	DOES NOT MEET WHMIS CRITERIA
<u>REPRODUCTIVE TOXICITY:</u>	DOES NOT MEET WHMIS CRITERIA

PREVENTIVE MEASURES

<u>PERSONAL PROTECTIVE EQUIPMENT:</u>	WEAR SAFETY GOGGLES AND IMPERVIOUS GLOVES. WHERE AIRBORNE EXPOSURE IS LIKELY, WEAR A NIOSH APPROVED RESPIRATOR EQUIPPED WITH AN ORGANIC VAPOR CARTRIDGE.
<u>SPECIFIC ENGINEERING CONTROLS:</u>	LOCAL EXHAUST IS RECOMMENDED.

* NA - NOT APPLICABLE

* NE - NOT ESTABLISHED

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

LEAK AND SPILL PROCEDURES: ABSORB SMALL SPILLS WITH SAND. DIKE LARGE SPILLS AND COVER WITH FOAM OR WATER SPRAY TO REDUCE VAPOR EMISSIONS. TRANSFER TO A CLOSED CONTAINER. TREAT AREA WITH HOUSEHOLD BLEACH TO ELIMINATE ODOR. DO NOT USE SOLID BLEACH.

WASTE DISPOSAL: HAZARDOUS WASTE. DO NOT ALLOW PRODUCT TO ENTER THE ENVIRONMENT. CONSULT FEDERAL OR LOCAL AUTHORITIES FOR APPROVED DISPOSAL METHODS

HANDLING PROCEDURES AND EQUIPMENT: KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. WASH BEFORE EATING, DRINKING, USING TOBACCO PRODUCTS, OR RESTROOMS.

STORAGE REQUIREMENTS: KEEP IN A CLOSED, LABELED CONTAINER IN A VENTILATED AREA. CONTAINER HAZARDOUS WHEN EMPTY.

FIRST AID MEASURES

EYE: FLUSH EYES WITH LARGE AMOUNT OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. SEEK MEDICAL ATTENTION.

SKIN: WASH SKIN WITH WATER AND SOAP. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS OR PERSISTS.

INGESTION: DO NOT GIVE LIQUIDS IF PERSON IS UNCONSCIOUS OR VERY DROWSY. DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.

INHALATION: REMOVE PERSON TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, APPLY ARTIFICIAL RESPIRATION AND ADMINISTER OXYGEN IF NECESSARY. SEEK MEDICAL ATTENTION.

REGULATORY INFORMATION

U.S. REGULATIONS:

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4): NOT REGULATED.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30): NOT REGULATED.

SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40): NOT REGULATED.

SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):

ACUTE: NO

CHRONIC: NO

FIRE: YES

REACTIVE: NO

SUDDEN RELEASE: NO

* NA - NOT APPLICABLE

* NE - NOT ESTABLISHED

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

SARA TITLE III SECTION 313 (40 CFR 372.65): NOT REGULATED

OSHA PROCESS SAFETY (29 CFR 1910.119): NOT REGULATED

	PREPARATION DATE
PREPARED BY:	CES TECHNICAL DEPARTMENT
PHONE NUMBER OF PREPARER:	(713) 676-1460
DATE PREPARED (MM/DD/YY):	07/28/08

MINIMUM CONTACT WITH THIS AND ALL CHEMICALS IS RECOMMENDED AS A GOOD GENERAL POLICY TO FOLLOW.

THE INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, SINCE DATA, SAFETY STANDARDS, AND GOVERNMENT REGULATIONS ARE SUBJECT TO CHANGE AND THE CONDITIONS OF HANDLING AND USE OR MISUSE ARE BEYOND OUR CONTROL, CES ENVIRONMENTAL SERVICES, INC. MAKES NO WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. USER SHOULD SATISFY HIMSELF THAT HE HAS ALL CURRENT DATA RELEVANT TO HIS PARTICULAR USE.

* NA - NOT APPLICABLE

* NE - NOT ESTABLISHED

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

PRODUCT IDENTIFICATION AND USE

MANUFACTURER: CES ENVIRONMENTAL SERVICES, INC.
4904 GRIGGS ROAD
HOUSTON, TX 77021
EMERGENCY PHONE NUMBER: (713) 676-1460
PRODUCT IDENTIFIER: DISULFIDE OIL
PRODUCT USE: SULFIDING AGENT
WHMIS CLASSIFICATION: B2 - FLAMMABLE LIQUID.
D1A - VERY TOXIC MATERIAL CAUSING IMMEDIATE AND
SERIOUS TOXIC EFFECTS
D2B - TOXIC MATERIAL CAUSING OTHER TOXIC EFFECTS

HAZARDOUS INGREDIENTS

	%W/W	CAS #	TLV
DISULFIDE OIL SOLUTIONS	95	None	ACGIH TWA = 0.5 PPM
WATER	5		(SKIN)
LD50: 290 TO 500 MG/KG (ORAL-RATS)			
LD50: >2,000 MG/KG (DERMAL-RATS)			
LC50: 1,310 PPM (4-HR. - INHALATION-RATS)			
<u>NOTE:</u> Mixture of Dimethyl Disulfide, Diethyl Disulfide, Methyl Ethyl Disulfide			

PHYSICAL DATA

PHYSICAL STATE: LIQUID
ODOR AND APPEARANCE: GREEN, BROWN, BLACK LIQUID, STRONG PUNGENT ODOR
ODOR THRESHOLD: 8-10 (PPB)
SPECIFIC GRAVITY/DENSITY (G/ML): 0.99 - 1.06 @ 20°C
VAPOR PRESSURE: 0.4 PSIA
VAPOR DENSITY (AIR = 1): 3.25
VOLATILITY/VOL (%): 100
SOLUBILITY IN H₂O: INSOLUBLE
EVAPORATION RATE: NE
BOILING POINT: 105-120°C
FREEZING POINT: -80°C
PH: NA

SHIPPING INFORMATION

UN 1993, 3, II, DISULFIDE OIL

U.S.DOT 49 CFR 172.101:

PROPER SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S. (DISULFIDE OIL)

ID NUMBER: UN1993

HAZARD CLASS OR DIVISION: 3

PACKING GROUP: II

LABELING REQUIREMENTS: 3

* NA - NOT APPLICABLE

* NE - NOT ESTABLISHED

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

FIRE AND EXPLOSION HAZARD

<u>FLAMMABILITY:</u>	FLAMMABLE
<u>CONDITIONS:</u>	HEAT, SPARKS, OPEN FLAMES
<u>MEANS OF EXTINCTION:</u>	WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL. WATER MAY BE INEFFECTIVE.
<u>FLASHPOINT:</u>	< 30°C
<u>UPPER EXPLOSION LIMIT (% V):</u>	16 APPROX.
<u>LOWER EXPLOSION LIMIT (% V):</u>	1.1 APPROX.
<u>AUTO-IGNITION TEMPERATURE:</u>	300°C (572°F) APPROX.
<u>HAZARDOUS COMBUSTION PRODUCTS:</u>	OXIDES OF CARBON, SULFUR OXIDES, HYDROGEN SULFIDE
<u>EXPLOSION DATA:</u>	NE
<u>SENSITIVITY TO IMPACT:</u>	NO
<u>SENSITIVITY TO STATIC DISCHARGE:</u>	NO

REACTIVITY

<u>CHEMICAL STABILITY:</u>	STABLE
<u>INCOMPATIBLE MATERIALS:</u>	BLEACH, STRONG OXIDIZERS, REDUCING AGENTS, ACIDS CORROSIVE TO COPPER AND COPPER ALLOYS.
<u>CONDITIONS OF REACTIVITY:</u>	DECOMPOSITION TEMPERATURE: 390°C
<u>HAZARDOUS DECOMPOSITION PRODUCTS:</u>	HYDROGEN SULFIDE, METHYL MERCAPTAN. CAN REACT WITH CARBON STEEL TO FORM PYROPHORIC IRON SULFIDES.

HEALTH HAZARD INFORMATION

<u>ROUTE OF ENTRY</u>	
<u>SKIN CONTACT:</u>	MAY CAUSE IRRITATION
<u>SKIN ABSORPTION:</u>	NE
<u>EYE:</u>	MAY CAUSE IRRITATION
<u>INGESTION:</u>	HARMFUL IF SWALLOWED
<u>INHALATION:</u>	HARMFUL IF INHALED
<u>ACUTE OVER EXPOSURE EFFECTS:</u>	NE
<u>CHRONIC OVER EXPOSURE EFFECTS:</u>	NE
<u>SENSITIZATION:</u>	DOES NOT MEET WHMIS CRITERIA
<u>CARCINOGENICITY:</u>	DOES NOT MEET WHMIS CRITERIA
<u>TERATOGENICITY:</u>	DOES NOT MEET WHMIS CRITERIA
<u>MUTAGENICITY:</u>	DOES NOT MEET WHMIS CRITERIA
<u>REPRODUCTIVE TOXICITY:</u>	DOES NOT MEET WHMIS CRITERIA

PREVENTIVE MEASURES

<u>PERSONAL PROTECTIVE EQUIPMENT:</u>	WEAR SAFETY GOGGLES AND IMPERVIOUS GLOVES. WHERE AIRBORNE EXPOSURE IS LIKELY, WEAR A NIOSH APPROVED RESPIRATOR EQUIPPED WITH AN ORGANIC VAPOR CARTRIDGE.
<u>SPECIFIC ENGINEERING CONTROLS:</u>	LOCAL EXHAUST IS RECOMMENDED.

* NA - NOT APPLICABLE

* NE - NOT ESTABLISHED

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

LEAK AND SPILL PROCEDURES:

ABSORB SMALL SPILLS WITH SAND. DIKE LARGE SPILLS AND COVER WITH FOAM OR WATER SPRAY TO REDUCE VAPOR EMISSIONS. TRANSFER TO A CLOSED CONTAINER. TREAT AREA WITH HOUSEHOLD BLEACH TO ELIMINATE ODOR. DO NOT USE SOLID BLEACH.

WASTE DISPOSAL:

HAZARDOUS WASTE. DO NOT ALLOW PRODUCT TO ENTER THE ENVIRONMENT. CONSULT FEDERAL OR LOCAL AUTHORITIES FOR APPROVED DISPOSAL METHODS.

HANDLING PROCEDURES AND EQUIPMENT:

KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. WASH BEFORE EATING, DRINKING, USING TOBACCO PRODUCTS, OR RESTROOMS.

STORAGE REQUIREMENTS:

KEEP IN A CLOSED, LABELED CONTAINER IN A VENTILATED AREA. CONTAINER HAZARDOUS WHEN EMPTY.

FIRST AID MEASURES

EYE:

FLUSH EYES WITH LARGE AMOUNT OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. SEEK MEDICAL ATTENTION.

SKIN:

WASH SKIN WITH WATER AND SOAP. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS OR PERSISTS.

INGESTION:

DO NOT GIVE LIQUIDS IF PERSON IS UNCONSCIOUS OR VERY DROWSY. DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.

INHALATION:

REMOVE PERSON TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, APPLY ARTIFICIAL RESPIRATION AND ADMINISTER OXYGEN IF NECESSARY. SEEK MEDICAL ATTENTION.

REGULATORY INFORMATION

U.S. REGULATIONS:

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4): NOT REGULATED.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30): NOT REGULATED.

SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40): NOT REGULATED.

SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):

ACUTE: NO

CHRONIC: NO

FIRE: YES

REACTIVE: NO

SUDDEN RELEASE: NO

* NA - NOT APPLICABLE

* NE - NOT ESTABLISHED

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

SARA TITLE III SECTION 313 (40 CFR 372.65): NOT REGULATED

OSHA PROCESS SAFETY (29 CFR 1910.119): NOT REGULATED

	PREPARATION DATE
PREPARED BY:	CES TECHNICAL DEPARTMENT
PHONE NUMBER OF PREPARER:	(713) 676-1460
DATE PREPARED (MM/DD/YY):	07/28/08

MINIMUM CONTACT WITH THIS AND ALL CHEMICALS IS RECOMMENDED AS A GOOD GENERAL POLICY TO FOLLOW.

THE INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. HOWEVER, SINCE DATA, SAFETY STANDARDS, AND GOVERNMENT REGULATIONS ARE SUBJECT TO CHANGE AND THE CONDITIONS OF HANDLING AND USE OR MISUSE ARE BEYOND OUR CONTROL, CES ENVIRONMENTAL SERVICES, INC. MAKES NO WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. USER SHOULD SATISFY HIMSELF THAT HE HAS ALL CURRENT DATA RELEVANT TO HIS PARTICULAR USE.

* NA - NOT APPLICABLE

4

* NE - NOT ESTABLISHED

Waste Pre-Acceptance/Approval Letter

Date 2/12/2009

Dear

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3165

Expiration Date 2/12/2011

Generator: Kosovo Government

Address:

Waste Information

Name of Waste: Oily Water

TCEQ Waste Code #: RECYCLE

Container Type:

Detailed Description of Process Generating Waste:

From the rinsing of iso containers containing disulfide oil

Color: dark

Odor: slight hydrocarbon

pH: 4-10

Physical State:

Incompatibilities:

Safety Related Data/Special Handling:

STANDARD PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<http://www.cesenvironmental.com>

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Kosovo Government
Address :
City, State, Zip :
Contact : Title :
Phone No : Fax :
24 / HR Phone :
U.S EPA I.D No :
State I.D : SIC Code

SECTION 2: Billing Information

Company : Kosovo Government
Address :
City, State, Zip :
Contact : Title :
Phone No : Fax :

SECTION 3: General Description of the Waste

Name of Waste : Oily Water

Detailed Description of the Process Generating Waste:

From the rinsing of iso containers containing disulfide oil

Physical State : ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color : dark Odor : slight hydrocarbon

Specific Gravity (Water=1) : 1 Density : 8.34 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☒ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers : ☐ Single-Phas ☒ Multi-Phase

Container Type : ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size : 55gal

Number Of Units : 5

Is this a USEPA "Hazardous Waste" per 40 CFR 261.3? ☐ Yes ☒ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007
☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☒ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : RECYCLE

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated oily water

Class : N/A UN/NA : N/A PG : N/A RQ : N/A

Flash Point >140	pH 4-10	Reactive Sulfides BRL mg/l	Reactive Cyanides BRL mg/l	Solids 0 %
Oil and Grease >1500ppm mg/l	TOC N/A mg/l	Zinc BRL mg/l	Copper BRL mg/l	Nickel BRL mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
DISULFIDE OIL		5-10	%
WATER		90-95	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.

STANDARD PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : BRL

TCLP Volatiles : BRL

TCLP Semi-Volatiles : BRL

Reactivity : NON

Corrosivity : NON

Ignitability : NON

SECTION 9: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ YES ☒ NO

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L

Chromium: 8.9 mg/L

Copper: 4.9 mg/L

Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☐ Organics Subcategory

SECTION 10: Additional Instruction

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : N/A per Matt Bonner Date : _____

Printed Name / Title : _____

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer : [Signature]

Date : 2-12-09 Status : Approved Rejected

Approval Number : _____ HOU-3165

Process Facility Information :

\$worked into job already. No Bill



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

\$ worked into lmp sum~~g~~ bill. No charge
for these
DWI's.

2. Contamination Limit (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

DI

5. Treatment and Handling Protocol:

6. Treated Wastewater Discharge Subcategory:

- ☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable)

--



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 3/3/2009

Dear Grace Dean

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3194

Expiration Date 3/3/2011

Generator: Arkema, Inc. - Houston

Address: 2231 Haden Road
Houston, TX 77015

Waste Information

Name of Waste: Sulfur Organic liquid

TCEQ Waste Code #: Product

Container Type:

Detailed Description of Process Generating Waste:

Producing Mercaptan product

Color: Brown

Odor: Strong

pH: neutral

Physical State:

Incompatibilities: None Known

Safety Related Data/Special Handling:

Standard PPE. Also use all necessary safety precautions to handle this stream. It has H2

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



JB/AL

☒ CES Environmental Services – Houston Facility
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

☒ CES Environmental Services – Port Arthur Facility
2420 S. Gulfway Drive, Port Arthur, TX 77641
Phone: (713) 676-1460 Fax: (713) 676-1676
U.S. EPA ID No: TXR000079307 ISWR No: 88585

SECTION 1: Material Producer Information

Company: Arkema, Inc
Address: 2231 Haden Road
City, State, Zip: Houston, TX 77015
Contact: James Wheeland Title: Materials Supervisor
Phone No: 713.450.6767 Fax No: 713-450-9609
24/hr Phone: 713.304.7037
U.S. EPA I.D. No: na
State I.D. na SIC Code: _____

SECTION 2: Billing Information – ☐ Same as Above

Company: Arkema, Inc
Address: 200 Market Street
City, State, Zip: Philadelphia, PA 19103
Contact: _____ Title: _____
Phone No: 800.628.4453 Fax No: 215.419.7210

SECTION 3: General Description of the Material / Product

Name of Material / Product: Sulfur Organic Liquid

Detailed Description of Process Generating or Producing the Material / Product: Producing Mercaptan product

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Brown

Odor: Strong

Specific Gravity (water=1): .84

Density: 7.5 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: _____ 5500 gal _____

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 2 Other: _____

Proper U.S. DOT Shipping Name: NA1993, Combustible Liquid, n.o.s. (Didodecyl sulfide) 3, PG III

Class: 3 UN/NA: NA1993 PG: III RQ: na

Flash Point >170 F	pH neutral	N/A	N/A	Solids 0%
Oil & Grease <1500mg/l	TOC nmg/l	Zinc nmg/l	Copper nmg/l	Nickel nmg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Didodecyl sulfide	40-55	%
sec -Dodecyl	25-40	%
n-Dodecyl Mercaptan	<10	%
Propylene tetramer	<10	%
tert- Dodecanethiol	<10	%
See attached additional componets and specs table		

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
Standard PPE, also use respirator able to withstand H2S when opening dome lid.

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
None known

SECTION 8: Material Producer's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: 3.3.9

Printed Name/Title: _____

Don't Stanley Mgr. HES

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: _____	
Date: 3-3-9	Approved <input checked="" type="radio"/> Rejected <input type="radio"/>
Approval Number: 3194	

C7 -14 sulfides and disulfides	<10	%
Dodecene	<5	%
Hydrogen Sulfide	<50	ppm

Exhibit A

SULFUR ORGANIC LIQUID PRODUCT GENERAL SPECIFICATIONS:

Specification:	ASTM:	Typical:	Min./Max.
Ash, Wt. %	D-482	<0.01	0.02 Max.
API Gravity	D-287	36.0	35 Min.
Sulfur, Wt. %	D-1552	4.25	4.25 Max.
Pour Point, Deg F.	D-97	100	120 Max.
Oil, %	-	100	99 Min.
Water, %	D-95	0.00	0.5 Max.
Solids, %	D-473 0.00	0.01	0.01Max.
Flash Point, Deg. F.	D-93	>200	140 Min.

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

No Payment / No Charge

2. Contamination Limits (maximum limit before surcharges apply):

Ash < 0.5 %
Flashpoint > 170 deg F
No Solids. must conform with specifications

3. Surcharge Pricing:

4. Special Testing Requirements:

Must pick up pre shipment sample before scheduling load. Run ash and Flash point on sample and check that material is compatible to send to CES Ograno sulfur fuels tank. Once scheduled and trailer is picked up must check H2S in headspace of trailer. Follow sampling SOP to include venting trailer for H2S. must be less than 50 ppm

5. Treatment and Handling Protocol:

After we have approved the material as suitable for PEAK, the material must be brought to PACES. You must contact the operations manager before you climb onto the trailer. This is very important. Then we should check the H2S levels by using the personal H2S monitors at the manway level to ensure the levels read less than 50 ppm. If the levels exceed 50 ppm on the personal monitors, we will have to pull a Kevlar bag sample on the headspace and take it to Core or Chemtex and have them perform a sulfur speciation. The levels must show H2S less than 50 ppm to be acceptable.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C

**SULFUR ORGANIC LIQUID**

Material Safety Data Sheet

Arkema Inc.

1 PRODUCT AND COMPANY IDENTIFICATION**Thio and Fine Chemicals**

Arkema Inc.
2000 Market Street
Philadelphia, PA 19103

EMERGENCY PHONE NUMBERS:

Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887
Medical: Rocky Mountain Poison Control Center
(866) 767-5089 (24Hrs)

Information Telephone Numbers

Phone Number

Available Hrs

Customer Service

1-800-628-4453

8:30 to 5:30 EST

Product Name SULFUR ORGANIC LIQUID

Product Synonym(s)

Chemical Family Mixture

Chemical Formula

Chemical Name

EPA Reg Num

Product Use Fuel Oil Cutter Stock

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient Name	CAS Registry Number	Typical %	OSHA
Didodecyl sulfide	2469-45-6	40-55% By Wt.	Y
sec-Dodecyl mercaptan	14402-50-7	25-40% By Wt.	Y
n-Dodecyl mercaptan	112-55-0	< 10% By Wt.	Y
Propylene tetramer	6842-15-5	< 10% By Wt.	Y
tert-Dodecanethiol	25103-58-6	< 10% By Wt.	Y
Alkenes, C8-10-branched, C9-rich	97593-01-6	< 10% By Wt.	Y
C7-14 sulfides and disulfides	NE	< 10% By Wt.	Y
Dodecene	112-41-4	< 5% By Wt.	Y
Hydrogen sulfide	7783-06-4	< 50PPM By Wt.	Y

The substance(s) marked with a "Y" in the OSHA column, are identified as hazardous chemicals according to the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200)

This material is classified as hazardous under Federal OSHA regulation.

COMPONENTS OF THIS BYPRODUCT ARE NOT ON THE TSCA INVENTORY. THIS BYPRODUCT IS PROVIDED UNDER THE TSCA PREMANUFACTURE NOTICE EXEMPTION AT 40 CFR 720.30(G) ONLY FOR BURNING AS FUEL OR MIXING (NOT REACTING) WITH OTHER MATERIALS FOR BURNING AS FUEL.

3 HAZARDS IDENTIFICATION**Emergency Overview**

Brown liquid with strong odor

WARNING!

COMBUSTIBLE LIQUID AND VAPOR.

CAUSES EYE IRRITATION.

CAUSES RESPIRATORY TRACT IRRITATION.

MAY CAUSE ALLERGIC SKIN REACTION.

MAY CAUSE NAUSEA, HEADACHE OR DIZZINESS.



SULFUR ORGANIC LIQUID

Material Safety Data Sheet

Arkema Inc.

Potential Health Effects

Inhalation and skin contact are expected to be the primary routes of occupational exposure to this material. Based on its composition, it is anticipated to be severely irritating to the eyes and respiratory tract. This material has a strong objectionable odor that may cause nausea, headache, or dizziness. Repeated exposure may cause an allergic skin reaction. Medical conditions which may be aggravated by exposure to this material include lung disease or limited respiratory capacity.

4 FIRST AID MEASURES

IF IN EYES, immediately flush with plenty of water for at least 15 minutes. Get medical attention.

IF ON SKIN, immediately wash with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Thoroughly clean shoes before reuse.

IF SWALLOWED, do NOT induce vomiting. Give water to drink. Get medical attention immediately. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

IF INHALED, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

5 FIRE FIGHTING MEASURES

Fire and Explosive Properties

Auto-Ignition Temperature	NE	
Flash Point	>170F	Flash Point Method
Flammable Limits- Upper	NE	
Lower	NE	

Extinguishing Media

Use water spray, carbon dioxide, foam or dry chemical.

Fire Fighting Instructions

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand NIOSH approved or equivalent). Fire fighting equipment should be thoroughly decontaminated after use.

Fire and Explosion Hazards

None known.

6 ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Isolate hazard area and deny entry to unnecessary or unprotected personnel. Contain spilled liquid with sand or earth. Clean up spill immediately, observing precautions in the Personal Protection section of MSDS. Avoid runoff into storm sewers and ditches which lead to waterways.



SULFUR ORGANIC LIQUID

Material Safety Data Sheet

Arkema Inc.

7 HANDLING AND STORAGE

Handling

Avoid contact with eyes. Wash thoroughly after handling. Avoid prolonged or repeated contact with skin. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation.

Emptied container retains vapor and product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

Storage

This material is not hazardous under normal storage conditions; however, material should be stored in closed containers, in a secure area to prevent container damage and subsequent spillage.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls

Investigate engineering techniques to reduce exposures below airborne exposure limits. Provide ventilation if necessary to control exposure levels below airborne exposure limits (see below). If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

Eye / Face Protection

Where there is potential for eye contact, wear chemical goggles and have eye flushing equipment immediately available.

Skin Protection

Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine appropriate type glove material for given application. Wear face shield and chemical resistant clothing such as a rubber apron when splashing may occur. Rinse contaminated skin promptly. Wash contaminated clothing and clean protective equipment before reuse. Wash skin thoroughly after handling.

Respiratory Protection

Avoid breathing vapor or mist. When airborne exposure limits are exceeded (see below), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

Airborne Exposure Guidelines for Ingredients

Exposure Limit		Value
n-Dodecyl mercaptan		
ACGIH Sensitizer Designator	-	Y
ACGIH TWA	-	0.1 ppm
Hydrogen sulfide		
ACGIH STEL	-	15 ppm (21 mg/m3)
ACGIH TWA	-	10 ppm (14 mg/m3)
OSHA Ceiling PEL	-	20 ppm



SULFUR ORGANIC LIQUID

Material Safety Data Sheet

Arkema Inc.

tert-Dodecanethiol

Arkema 8-hour TWA

5 ppm

-Only those components with exposure limits are printed in this section.

-Skin contact limits designated with a "Y" above have skin contact effect. Air sampling alone is insufficient to accurately quantitate exposure. Measures to prevent significant cutaneous absorption may be required.

-ACGIH Sensitizer designator with a value of "Y" above means that exposure to this material may cause allergic reactions.

-WEEL-AIHA Sensitizer designator with a value of "Y" above means that exposure to this material may cause allergic skin reactions.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor	Brown liquid with strong odor
pH	5 - 7
Specific Gravity	0.84
Vapor Pressure	NE
Vapor Density	NE
Melting Point	85 F
Freezing Point	NE
Boiling Point	NE
Solubility In Water	Insoluble

10 STABILITY AND REACTIVITY

Stability

This material is chemically stable under normal and anticipated storage and handling conditions.

Incompatibility

There are no known incompatibilities to this product.

Hazardous Decomposition Products

None known.

11 TOXICOLOGICAL INFORMATION

Toxicological Information

Data on this material and/or its components are summarized below.

n-Dodecyl Mercaptan

Single exposure (acute) studies indicate that this material is slightly toxic to practically non-toxic if swallowed (rat LD50 1,960 - >5,000 mg/kg) or inhaled (rat 4-hr LC50 >8-9 ppm; no deaths following exposure to saturated vapor), no more than slightly toxic if absorbed through skin (rat LD0 >2,000 mg/kg), corrosive to rabbit eyes and severely irritating to rabbit skin (24-hr exposure, PII 8.0/8.0)

Skin allergy was observed in guinea pigs following repeated exposure in some tests, but not others. A potential for irritation and allergic reactions in humans has been reported. Following repeated inhalation exposures, rats and mice exhibited eye, nasal and respiratory tract irritation and breathing difficulties, followed by death which was associated with lung damage. A repeated inhalation exposure study in mice produced microscopic liver changes. Following a longer-term inhalation exposure study, rats showed reduced growth, reduced liver and adrenal function, general congestion of the internal organs and microscopic changes in lungs, liver, kidney,



SULFUR ORGANIC LIQUID

Material Safety Data Sheet

Arkema Inc.

11 TOXICOLOGICAL INFORMATION

heart and brain. No birth defects were observed in the offspring of rats exposed by inhalation during pregnancy, even at amounts which produced significant adverse effects on the mothers. No genetic changes were observed in tests using bacteria or animal cells.

Paraffin

This material is neither digested nor absorbed and is considered non-toxic. When ingested, it has been reported to have a mild laxative effect.

12 ECOLOGICAL INFORMATION

Ecotoxicological Information

Data on this material and/or its components are summarized below.

n-Dodecyl mercaptan

This material is practically non-toxic to Daphnia magna, rainbow trout and algae (no effect up to the limit of solubility).

Chemical Fate Information

Data on this material and/or its components are summarized below.

Paraffin

This material is reported to be biodegradable.

n-Dodecyl mercaptan

This material is not readily biodegradable (39.2% after 28-days). The log Pow is 6.18

13 DISPOSAL CONSIDERATIONS

Waste Disposal

Incineration is the recommended method for disposal observing all local, state and federal regulations. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

14 TRANSPORT INFORMATION

DOT Name	Non Bulk Domestic/ Bulk and Non bulk international: Not Regulated
DOT Technical Name	
DOT Hazard Class	
UN Number	
DOT Packing Group	PG
RQ	
DOT Special Information	Domestic Bulk shipments
	Combustible liquid, n.o.s. (Didodecyl sulfide) 3; NA 1993; PGIII

**SULFUR ORGANIC LIQUID**

Material Safety Data Sheet

Arkema Inc.

15 REGULATORY INFORMATION**Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370)**

Immediate (Acute) Health	Y	Fire	N
Delayed (Chronic) Health	N	Reactive	N
		Sudden Release of Pressure	N

COMPONENTS OF THIS BYPRODUCT ARE NOT ON THE TSCA INVENTORY. THIS BYPRODUCT IS PROVIDED UNDER THE TSCA PREMANUFACTURE NOTICE EXEMPTION AT 40 CFR 720.30(G) ONLY FOR BURNING AS FUEL OR MIXING (NOT REACTING) WITH OTHER MATERIALS FOR BURNING AS FUEL.

Ingredient Related Regulatory Information:**SARA Reportable Quantities**

	CERCLA RQ	SARA TPQ
Dodecene	NE	
n-Dodecyl mercaptan	NE	
Hydrogen sulfide	100 LBS	500 LBS
Didodecyl sulfide	NE	
tert-Dodecanethiol	NE	NE
sec-Dodecyl mercaptan	NE	
Propylene tetramer	NE	NE
C7-14 sulfides and disulfides	NE	NE
Alkenes, C8-10-branched, C9-rich	NE	NE

SARA Title III, Section 302

This product does contain chemical(s), as indicated below, currently on the Extremely Hazardous Substance List, Section 302, SARA Title III. See Section 2 for further details regarding concentrations and registry numbers.

Hydrogen sulfide

Massachusetts Right to Know

This product does contain the following chemical(s), as indicated below, currently on the Massachusetts Right to Know Substance List.

Hydrogen sulfide
tert-Dodecanethiol

New Jersey Right to Know

This product does contain the following chemical(s), as indicated below, currently on the New Jersey Right-to-Know Substances List.

Hydrogen sulfide
Propylene tetramer

Pennsylvania Environmental Hazard

This product does contain the following chemical(s), as indicated below, currently on the Pennsylvania Environmental Hazard List.

Hydrogen sulfide

Pennsylvania Right to Know

This product does contain the following chemical(s), as indicated below, currently on the Pennsylvania Hazardous Substance List.

Hydrogen sulfide
n-Dodecyl mercaptan
tert-Dodecanethiol

16 OTHER INFORMATION



SULFUR ORGANIC LIQUID

Material Safety Data Sheet

Arkema Inc.

Revision Information

Revision Date 31 OCT 2006
Supersedes Revision Dated 08-MAR-2006

Revision Number 7

Revision Summary

Revised section 2.

Key

NE= Not Established NA= Not Applicable (R) = Registered Trademark

Arkema Inc. believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with any other materials or in any process. Further, since the conditions and methods of use are beyond the control of Arkema Inc., Arkema Inc. expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information.



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

See Section 4

8. Management for Product Recovered/Recycled (if applicable):

See section 5



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 3/10/2009

Dear Accounts Payable- Donna Landry

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3201

Expiration Date 3/11/2011

Generator: T.T. Barge (Mile 183)

Address: 7324 Hwy. 405
Donaldsonville, LA 70346

Waste Information

Name of Waste: Spent Sodium Hydroxide Solution

TCEQ Waste Code #: Product

Container Type:

Detailed Description of Process Generating Waste:

removal of caustic from barge cleaning operations

Color: varies

Odor: strong

pH: 12

Physical State:

Incompatibilities: acids

Safety Related Data/Special Handling:

caustic PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO041000571

*Product
to PACES*

DC/mm

☐ CES Environmental Services – Houston Facility
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

☒ CES Environmental Services – Port Arthur Facility
2420 S. Gulfway Drive, Port Arthur, TX 77641
Phone: (713) 676-1460 Fax: (713) 676-1676
U.S. EPA ID No: TXR000079307 ISWR No: 88585

SECTION 1: Material Producer Information

Company:	T.T. Barge (Mile 183)		
Address:	7324 Highway 405		
City, State, Zip:	Donaldsonville, LA 70346		
Contact:	Chuck Metzler	Title:	E/S
Phone No:	225-473-8222	Fax No:	225-473-2199
24/hr Phone:	800-969-8860		
U.S. EPA I.D. No:	LAD980870794		
State I.D.	D0022	SIC Code:	NA

SECTION 2: Billing Information – ☐ Same as Above

Company:	T.T. Barge Attn: Accounts Payable		
Address:	19368 Hwy 36		
City, State, Zip:	Covington, LA 70433		
Contact:	Donna Landry	Title:	
Phone No:	225-473-8222	Fax No:	225-473-2199

SECTION 3: General Description of the Material / Product

Name of Material / Product: Spent Sodium Hydroxide Solution

Detailed Description of Process Generating or Producing the Material / Product: removal of caustic from barge cleaning operations

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: varies

Odor: strong

Specific Gravity (water=1): 1.11

Density: 9.3 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: _____

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 4

Other: Product

Proper U.S. DOT Shipping Name: Sodium Hydroxide Solution

Class: 8 UN/NA: UN 1824 PG: II RQ: NA

Flash Point >150	pH 12	N/A	N/A	Solids <1%
Oil&Grease 0mg/l	TOC 0mg/l	Zinc 0mg/l	Copper 0mg/l	Nickel 0mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Sodium Hydroxide Solution	100	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
Standard PPE for handling caustic materials

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
acids

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Charles T Metzler Date: 5 MAR 09

Printed Name/Title: Charles T. Metzler EIS

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Technical Manager: Behnam Chayeh

Date: 3-9-09

Approved

Rejected

Approval Number: _____

1. Base Pricing (including freight):

Concentration <2% charge \$250.00/load
Concentration >2% pay customer \$.50/dry ton

2. Contamination Limits (maximum limit before surcharges apply):

Solids - 5%
Floating Hydrocarbons - 5%

3. Surcharge Pricing:

4. Special Testing Requirements:

Standard sulfidic caustic evaluations for use in the NaSH Production Process: Run full titration, density, percent solids and percent oil via centrifugation, and perform sample acid reaction to ensure normal reaction. Check to ensure oil does not appear post reaction. Check odor, color, and appearance to ensure they are normal. If anything seems abnormal, contact management immediately.

Complete inbound load report if: either solids or oil exceed 1%, arrangements are made for with customer service regarding customer test for percent solids and oil via centrifugation, pH, density, full titration

5. Treatment and Handling Protocol:

Feedstock for NaSH into RV2/RV1. Process through reactor vessel for the recovery of sulfur compounds in the production of NaSH

Wastewater may either go to System 1 or other wastewater treatment options

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C

*Note: Results on 5/1/2015
Reactor
the inbound report*



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

See above

8. Management for Product Recovered/Recycled (if applicable):

See above



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 3/18/2009

Dear Edwin Anderson

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3222

Expiration Date 3/18/2011

Generator: Southwest Shipyard

Address: 18310 Market Street
Channelview, TX 77530

Waste Information

Name of Waste: Sulfidic Caustic Solution

TCEQ Waste Code #: PRODUCT

Container Type:

Detailed Description of Process Generating Waste:

Processing of fuels using caustic to remove sulfides

Color: Brown to Red **Odor:** Sulfur / H₂S smell **pH:** 10.5-12.4

Physical State:

Incompatibilities: Metals, Oxidizing agents

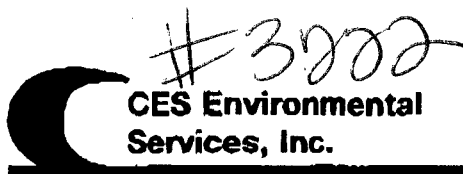
Safety Related Data/Special Handling:

Chemical suit, rubber gloves, rubber boots, safety goggles, face shield, hard hat

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



GB Product

☐ CES Environmental Services – Houston Facility
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

☒ CES Environmental Services – Port Arthur Facility
2420 S. Gulfway Drive, Port Arthur, TX 77641
Phone: (713) 676-1460 Fax: (713) 676-1676
U.S. EPA ID No: TXR000079307 ISWR No: 88585

SECTION 1: Material Producer Information

Company: Southwest Shipyard, LP
Address: 18310 Market Street
City, State, Zip: Channelview, TX 77530
Contact: George Sladeczek Title:
Phone No: (281) 860-3200 Fax No: (281) 860-3215
24/hr Phone:
U.S. EPA I.D. No: N/A
State I.D. NA SIC Code: NA

SECTION 2: Billing Information – ☒ Same as Above

Company:
Address:
City, State, Zip:
Contact: Title:
Phone No: Fax No:

SECTION 3: General Description of the Material / ProductName of Material / Product: Sulfidic Caustic SolutionDetailed Description of Process Generating or Producing the Material / Product: Processing of fuels using caustic to remove sulfides.

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Brown to RedOdor: Sulfur / H2S smellSpecific Gravity (water=1): 1.03Density: 8.6-9.2 lbs/galDoes this material contain any total phenolic compounds? ☐ Yes ☒ NoDoes this material contain any para substituted phenolic compounds? ☐ Yes ☒ NoLayers: ☒ Single-phase ☐ Multi-phaseContainer Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: 5000 gal

Frequency: ☐ Weekly ☐ Monthly ☒ Quarterly ☒ YearlyNumber of Units (containers): 4Other: ProductProper U.S. DOT Shipping Name: Sodium Hydroxide SolutionClass: 8UN/NA: UN1824PG: PG IIRQ:

Flash Point N/A	pH 10.5-12.4	N/A	N/A	Solids 0%
Oil & Grease N/A mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
Water		90-95	%
Sodium Hydroxide		5-10	%
Solids		0-5	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
Chemical Suit, Rubber Gloves, Rubber Boots, Safety Goggles, Face Shield, Hard Hat

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Metals, Oxidizing Agents

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: 3-17-09Printed Name/Title: GEORGE SLADCEK / ENV. MANAGER

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>Robert Chynoweth</u>	
Date: <u>3-17-09</u> Approved Rejected	
Approval Number: _____	



CES Environmental
Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

30¢/gal - 350⁰⁰ Trans + FSC

Trailer Risc - 125⁰⁰ If necessary

2. Contamination Limit (maximum limit before surcharges apply):

3. Surcharge Pricing:

notify any of 9/10 solids if > 3%

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

Port Arthur - NaOH Prod.

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

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8. Management for Product Recovered/Recycled (if applicable)

--



Material Safety Data Sheet

Sodium hydrosulfide solution

MSDS Number 8000TDC (Revised: 02/23/2007)

6 Pages

Section 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

- 1.1 **Product Name** Sodium hydrosulfide solution
Chemical Family Inorganic salt solution
Synonyms Sodium hydrogen sulfide, sodium sulfhydrylate, sodium bisulfide, sodium mercaptan, KI-300
Formula H-Na-S
- 1.2 **Manufacturer** TDC, LLC
1916 Farmerville Highway
Ruston, Louisiana 71270
Information (318) 242-5305
- 1.3 **Emergency Contact** (800) 422-6274
(800) 424-9300 (CHEMTREC)

Section 2: COMPOSITION, INFORMATION ON INGREDIENTS

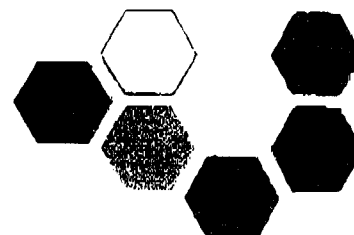
- 2.1 **Chemical Ingredients (% by wt.)**
- | | | |
|---------------------|------------------|-----------------|
| Sodium hydrosulfide | CAS #:16721-80-5 | 20-45% |
| Sodium sulfide | CAS #: 1313-82-2 | <1.0% (Typical) |
| Sodium carbonate | CAS #: 497-19-8 | <3.0% (Typical) |
| Water | CAS #:7732-18-5 | 54-79% |

(See Section 8 for exposure guidelines)

Section 3: HAZARDS IDENTIFICATION

NFPA: Health - 3 Flammability - 2 Reactivity - 1

TDC, LLC 1916 FARMERVILLE HIGHWAY, RUSTON, LA 71270
(800) 422-6274 WWW.TDC-IND.COM



Section	3: HAZARDS IDENTIFICATION, Cont.
----------------	---

EMERGENCY OVERVIEW

Warning: Solution is highly alkaline
Contains hydrogen sulfide, a highly toxic gas.
Eye contact will cause marked eye irritation and possibly severe corneal damage.
Skin contact will result in irritation and possible corrosion of the skin. Ingestion will irritate/burn mouth, throat and gastrointestinal tract. Contact with stomach acid will cause hydrogen sulfide vapors to be released. Heating or acid will cause hydrogen sulfide gas to evolve. Dilution of NaHS with water will also cause increased evolution of hydrogen sulfide.

3.1 POTENTIAL HEALTH EFFECTS

EYE: Contact with the eyes will cause marked eye irritation and possibly severe corneal damage.

SKIN CONTACT: Contact with the skin will cause skin irritation or burning sensation. Prolonged contact will result in corrosion of the skin.

SKIN ABSORPTION: Absorption is unlikely to occur.

INGESTION: Ingestion will result in severe burning and corrosion of mouth, throat and the gastrointestinal tract. If the ingested material contacts stomach acid, highly toxic hydrogen sulfide gas will be evolved.

INHALATION: Product solution and vapors contain highly toxic hydrogen sulfide gas. Exposure to this gas causes, headaches, nausea, dizziness and vomiting. Continued exposure can lead to loss of consciousness and death.

CHRONIC EFFECTS/CARCINOGENICITY: Not listed as a carcinogen by NTP, IARC or OSHA.

Section	4: FIRST AID MEASURES
----------------	------------------------------

4.1 EYES: Immediately flush with large quantities of water for 15 minutes. Hold eyelids apart during irrigation to insure thorough flushing of the entire area of the eye. Obtain immediate medical attention.

4.2 SKIN: Immediately flush with large quantities of water. Remove contaminated clothing under a safety shower. Obtain immediate medical attention.

4.3 INGESTION: DO NOT INDUCE VOMITING. If victim is conscious, immediately give 2 to 4 glasses of water. If vomiting does occur, repeat fluid administration. Obtain immediate medical attention.

4.4 INHALATION: Remove victim from contaminated atmosphere. If breathing is labored, administer oxygen. If breathing has ceased, clear airway and start mouth to mouth resuscitation. If heart has stopped beating, external heart massage should be applied. Obtain immediate medical attention.

Section	5: FIRE FIGHTING MEASURES
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5.1 FLAMMABLE PROPERTIES

FLASH POINT: Not flammable

METHOD USED: NA

Section 5: FIRE FIGHTING MEASURES, Cont.

5.2 FLAMMABLE LIMITS Hydrogen sulfide LFL: 4% UFL: 44%

5.3 EXTINGUISHING MEDIA: Water spray or foam or as appropriate for combustibles involved in fire.

5.4 FIRE & EXPLOSIVE HAZARDS: Solution is non-flammable. However if these solutions are exposed to heat or acids, hydrogen sulfide will be released and may form explosive mixtures with air (see above).

Keep containers/storage vessels in fire area cooled with water spray. Heating may cause the release of hydrogen sulfide vapors.

5.5 FIRE FIGHTING EQUIPMENT: Because of the possible presence of toxic gases and the corrosive nature of the product, wear self-contained breathing apparatus, pressure demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Small releases: Isolate for 100 feet. Confine area to qualified response personnel. Wear proper Personnel Protective equipment (See Section 8). Confine release material by berming or diverting its path. Absorb on sand, earth or other inert dry absorbent. Do not allow into sewer, storm drains or any waterway. Oxidize residual reactive sulfides with a weak (3-5%) hydrogen peroxide solution to stop the release of toxic hydrogen sulfide. Remove contaminated soil and dispose of in accordance with all governmental regulations.

6.2 Large releases: Activate Emergency Response Plan procedures. Isolate release area for 700 feet. Confine area to qualified response personnel. Wear proper Personnel Protective Equipment (See Section 8). Shut off release, if safe to do so. Dike spill area to prevent runoff into sewers, drains (potential toxic and explosive mixtures of hydrogen sulfide in confined spaces) or surface waterways (potential aquatic toxicity). Recover as much of the solution as possible. Treat remaining material as a small release (above).

Section 7: HANDLING and STORAGE

7.1 Handling: Wear proper protective equipment (See Section 8). Avoid breathing product vapors. Avoid contact with skin and eyes. Use only in a well ventilated area. Dilute product only in enclosed containers. Wash thoroughly after handling.

7.2 Storage: Store in well ventilated areas. Do not store combustibles in the area of storage vessels. Keep away from any sources of heat or flame. Store tote and smaller containers out of direct sunlight at moderate temperatures [$<80^{\circ}\text{F}$ (27°C)]. (See Section 10.4 for materials of construction)

Section 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

8.1 RESPIRATORY PROTECTION: If working near open container, storage vessel opening or open tank truck dome cover, wear self-contained breathing apparatus, pressure demand, MSHA/NIOSH (approved or equivalent).

Section 8: EXPOSURE CONTROLS, PERSONAL PROTECTION, Cont.

8.2 SKIN PROTECTION: Neoprene rubber gloves, chemical suit and boots should be worn to prevent contact with the liquid. Wash contaminated clothing prior to reuse. Contaminated leather shoes cannot be cleaned and should be discarded.

8.3 EYE PROTECTION: Chemical goggles and a full face shield.

8.4 EXPOSURE GUIDELINES:

	OSHA	ACGIH
	TWA STEL	TLV STEL
Hydrogen sulfide	20 ppm (ceiling)	10 ppm (ceiling)

8.5 ENGINEERING CONTROLS: Use adequate exhaust ventilation to prevent inhalation of product vapors. Where feasible scrub process or storage vessel vapors with caustic solution. Maintain eyewash/safety shower in areas where chemical is handled.

Section 9: PHYSICAL and CHEMICAL PROPERTIES

9.1 APPEARANCE:	May be yellow to red, to dark green to black liquid.
9.2 ODOR:	Hydrogen sulfide (rotten egg), hydrocarbon (mercaptan) odor.
9.3 BOILING POINT:	253 °F(122.8 °C) - 269 °F (131.7 °C)
9.4 VAPOR PRESSURE:	17 mm Hg @ 68 °F (20 °C)
9.5 VAPOR DENSITY: (Air = 1.0)	1.17
9.6 SOLUBILITY IN WATER:	Complete
9.7 SPECIFIC GRAVITY:	1.152 - 1.303 (9.6 - 10.9 lbs/gal)
9.8 FREEZING POINT:	0° F (-17.8° C) - 20%
	56° F (13.3° C) - 45%
9.9 pH:	11.5 - 12.5
9.10 VOLATILE:	Not determined

Section 10: STABILITY and REACTIVITY

10.1 STABILITY: This is a stable material

10.2 HAZARDOUS POLYMERIZATION: Will not occur.

10.3 HAZARDOUS DECOMPOSITION PRODUCTS: Heating this product will evolve hydrogen sulfide. Fire conditions will also cause the production of sulfur dioxide. Hydrogen sulfide (4-44%) may form flammable mixtures with air. Heating to decomposition emits toxic fumes of sulfoxides and Na₂O

10.4 INCOMPATIBILITY: Acids will cause the release of highly toxic hydrogen sulfide. Reacts violently with diazonium salts. Sodium hydrosulfide solution is not compatible with copper, zinc, aluminum or their alloys (i.e. bronze, brass, galvanized metals, etc.). Corrosive to steel above 150° F (65.5° C). These materials of construction should not be used in handling systems or storage containers for this product (SEE Section 7.2, Storage). Dilution of NaHS with water will increase the evolution of hydrogen sulfide. Dilution should be done in an enclosed container.

Section 11: TOXICOLOGICAL INFORMATION

11.1 ORAL: Data not available

Section 11: TOXICOLOGICAL INFORMATION, Cont.

11.2 DERMAL: Data not available

11.3 INHALATION: INH-RAT LC₅₀: 444 ppm (hydrogen sulfide)
INH-MOUSE LC₅₀: 1,500 mg/m³ 18 minutes
INH-RAT LC₅₀: 1,500 mg/m³ 14 minutes

11.4 CHRONIC/CARCINOGENICITY: No evidence available

11.5 TERATOLOGY: Data not available

11.6 REPRODUCTION: Data not available

11.7 MUTAGENICITY: Data not available

Section 12: ECOLOGICAL INFORMATION

Static acute 96 hour-LC₅₀ for mosquito fish is 206 mg/L. (TL_m - fresh water)

LC₅₀ fly inhalation 1,500 mg/m³, 7 minutes

TL_m Gammarus 0.84 mg/L, 96 hours (hydrogen sulfide)

TL_m Ephemera 0.316 mg/L, 96 hours (hydrogen sulfide)

TL_m Flathead minnow 0.071 - 0.55 mg/L @ 6-24°C, 96 hour flow through bioassay (hydrogen sulfide)

TL_m Bluegill 0.0090 - 0.0140 mg/L @ 20-22°C, 96 hour flow through bioassay (hydrogen sulfide)

TL_m Brook trout 0.0216 - 0.0308 mg/L @ 8-12.5°C, 96 hour flow through bioassay (hydrogen sulfide)

Section 13: DISPOSAL CONSIDERATIONS

If released to the environment for other than its intended purpose, this product contains some reactive sulfides which may be in sufficient quantity to meet the definition of a D003, hazardous waste.

Section 14: TRANSPORT INFORMATION

- 14.1 DOT Shipping Name:** Corrosive liquids, toxic, n.o.s.
- 14.2 DOT Hazard Class:** 8 (6.1)
- 14.3 UN/NA Number:** UN2922 UN2949 (IMDG - over water)
- 14.4 Packing Group:** II
- 14.5 DOT Placard:** Corrosive
- 14.6 DOT Label(s):** Corrosive, Toxic
- 14.7 IMO Shipping Name:** Sodium hydrosulphide solution
- 14.8 RQ (Reportable Quantity):** 5,000 lbs (2268 Kg) 100% basis
[2,604 gal (20%) 1,019 gal (45%)]

Section	14: TRANSPORT INFORMATION, Cont
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14.9 RR STCC Number: 26-123-33/49-352-04

14.10 USCG Codes: Bulk SHR (sodium hydrosulfide solution)
Barge SSI (Sodium sulfide, hydrosulfide solutions, H₂S greater than 15 ppm but less than 200 ppm)

Section	15: REGULATORY INFORMATION
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15.1 OSHA: This product is listed as a hazardous material under criteria of the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200.

15.2 SARA TITLE III:

a.	EHS (Extremely Hazardous Substance) List:	No
b.	Section 311/312, (Tier I,II) Categories:	
	Immediate (acute)	Yes
	Fire	Yes
	Sudden release	No
	Reactivity	Yes
	Delayed (chronic)	No
c.	Section 313 (Toxic Release Report-Form R):	No
d.	TPQ (Threshold Planning Quantity):	No

15.3 CERCLA/SUPERFUND: RQ (Reportable Quantity) 5,000 lbs (2270 Kg)

15.4 TSCA (Toxic Substance Control Act) Inventory List: Yes

15.5 RCRA (Resource Conservation and Recovery Act) Status: D003 (See Section 13)

15.6 WHMIS (Canada) Hazard Classification: E, D1

15.7 DOT Hazardous Material: (See Section 14) Yes

15.8 CAA Hazardous Air Pollutant (HAP) No

Section	16: OTHER INFORMATION
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REVISIONS: The entire MSDS was reformatted to comply to ANSI Standard Z400.1-1993.

Revised Sections 1.1, 8.3, 11, 12, 5/7/02

Revised pH range in Section 8, 8/19/02

Revised shipping info & RQ data, 1/15/03

Revised Section 3, Emergency Overview & Section 10.4 to include dilution caution. 1/23/04

Revised Section 2.1, Ingredients & Section 15, added USCG Codes. 5/3/04

Revised Section 14.10 (added), 15.9 (deleted), USCG shipping codes, 7/21/04.

Revised Logo and Emergency contact telephone number, 2/23/07

THE INFORMATION PUBLISHED IN THIS MATERIAL, SAFETY DATA SHEET HAS BEEN COMPILED FROM OUR EXPERIENCE AND OSHA, ANSI, NFPA, DOT, ERG, AND CHRIS. IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SUITABILITY OF THIS INFORMATION FOR THE ADOPTION OF NECESSARY SAFETY PRECAUTIONS. WE RESERVE THE RIGHT TO REVISE MATERIAL SAFETY DATA SHEETS PERIODICALLY AS NEW INFORMATION BECOMES AVAILABLE.



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

KIM

Date 3/23/2009

Dear Sal Amato

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3232

Expiration Date 3/23/2011

Producer: Sochem

Address:

Material / Product Information

Name of Material / Product Sodium hydroxide solution

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Barge cleanings

Color: brown to red

Odor: none

pH: >12

Physical State:

Incompatibilities: acids, oxidizing agents

Safety Related Data/Special Handling:

Chem suit, rubber gloves, rubber boots, safety goggles, face shield, hard hat

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



☐ CES Environmental Services – Houston Facility
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

☒ CES Environmental Services – Port Arthur Facility
2420 S. Gulfway Drive, Port Arthur, TX 77641
Phone: (713) 676-1460 Fax: (713) 676-1676
U.S. EPA ID No: TXR000079307 ISWR No: 88585

SECTION 1: Material Producer Information

Company: SoChem
Address: P.O. Box 1912
City, State, Zip: Gonzales, LA
Contact: Sal Amato Title: _____
Phone No: _____ Fax No: _____
24/hr Phone: _____
U.S. EPA I.D. No: N/A
State I.D. NA SIC Code: NA

SECTION 2: Billing Information – ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Material / Product

Name of Material / Product: Sodium hydroxide Solution
Detailed Description of Process Generating or Producing the Material / Product: Barge cleanings

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: Brown to Red

Odor: none

Specific Gravity (water=1): 1.27

Density: 10.59 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: _____ 4250 gal _____

Frequency: ☐ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): _____ Other: _____

Produce
Proper U.S. DOT Shipping Name: Sodium Hydroxide Solution
Class: 8 UN/NA: UN1824 PG: PG II RQ: 1000

Flash Point >140	pH ≥12	N/A	N/A	Solids 0%
Oil & Grease N/A mg/l	TOC N/A mg/l	Zinc N/A mg/l	Copper N/A mg/l	Nickel N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Sodium Hydroxide	>25	%
Water	26-75	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
Chemical Suit, Rubber Gloves, Rubber Boots, Safety Goggles, Face Shield, Hard Hat

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
MSDS

SECTION 7: Incompatibilities


Please list all incompatibilities (if any):
Acids, Oxidizing Agents

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:  Date: 3/23/09

Printed Name/Title: Sal Amato/VP

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u></u>	
Date: <u>3-23-09</u>	Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>
Approval Number: <u>3232</u>	

1. Base Pricing (including freight):

Pricing will be negotiated on a load by load basis. This must be documented in billing comments for each load

2. Contamination Limits (maximum limit before surcharges apply):

3. Surcharge Pricing:

Call Kim with questions

4. Special Testing Requirements:

Must test for percent caustic by titration and specific gravity, must have no free floating oil and no solids. THIS MATERIAL MUST BE GREATER THAN 25% CAUSTIC.

5. Treatment and Handling Protocol:

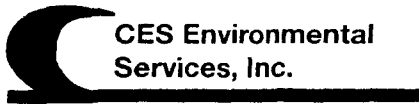
Feedstock for NaSH

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. **Tests for Product Recovered/Recycled (if applicable):**

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8. **Management for Product Recovered/Recycled (if applicable):**

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4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 3/30/2009

Dear Scott Rainey

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3250

Expiration Date 3/30/2011

Producer: Evergreen Solar
Address: 112 Barnum Road
Devens, MA 01434

Material / Product Information

Name of Material / Product Concentrated acid

Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Silicone wafers are fed through an etch line to be etched and prepared for solar panel manufacturing. Concentrated acid is a blend of acids that etch the silicone wafer. When bath is spent ~~then~~ the material becomes spent acid.

Color: dark **Odor:** slight **pH:** <2

Physical State:

Incompatibilities: Bases. Please refer to MSDS.

Safety Related Data/Special Handling:

PPE for concentrated acids.

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



☐ CES Environmental Services – Houston Facility
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

☒ CES Environmental Services – Port Arthur Facility
2420 S. Gulfway Drive, Port Arthur, TX 77641
Phone: (713) 676-1460 Fax: (713) 676-1676
U.S. EPA ID No: TXR000079307 ISWR No: 88585

SECTION 1: Material Producer Information

Company: Evergreen Solar
Address: 112 Barnum Road
City, State, Zip: Devens, MA 01434
Contact: Wayne Wirtanen Title: EHS Manager
Phone No: 978-266-2292 Fax No: _____
24/hr Phone: 978-266-2262
U.S. EPA I.D. No: MAC300011012
State I.D. N/A SIC Code: _____

SECTION 2: Billing Information – ☐ Same as Above

Company: Hydrocarbon Resource Recovery
Address: 3306 Poplar Run CT
City, State, Zip: Houston, TX. 77059
Contact: Scott Rainey Title: Mgt
Phone No: 713-724-8595 Fax No: 281-990-9176

SECTION 3: General Description of the Material / Product

Name of Material / Product: Concentrated acid waste (CAW)

Detailed Description of Process Generating or Producing the Material / Product: Silicone wafers are fed through an etch line to be etched and prepared for solar panel manufacturing. CAW is a blend of acids that etch the silicone wafer. When the bath is spent then the material becomes waste – spent acid. *concentrated acid*

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: dark

Odor: slight

1.4 to 1.5

Density: 14.5 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☒ Tote ☒ Truck ☐ Other (explain)
Container Size: _____ 330 gallon 5,000 ga _____

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly
Number of Units (containers): 50 totes Other: 3-4 tankers

Proper U.S. DOT Shipping Name: Product
RQ, Corrosive Liquids, Toxic, N.O.S. (Sulfuric Acid, Hydrofluoric Acid),

Class: 8, 6.1

UN/NA: UN2922

PG: II

RQ: 100lbs

Flash Point N/A	pH <2	N/A	N/A	Solids <1%
Oil & Grease BDL mg/l	TOC BDL mg/l	Zinc BDL mg/l	Copper BDL mg/l	Nickel BDL mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Sulfuric Acid	75-85%	%
Nitric Acid	1-5%	%
Hydrofluoric Acid	1-2%	%
Water	1-10%	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

Please see MSDS . PPE for concentrated acids .**SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Please see MSDS**SECTION 8: Material Producer's Certification**

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Wayne WhitmanDate: 3/13/09Printed Name/Title: ENVIRONMENTAL AFFAIRS MANAGER

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>Robert Thompson</u>	
Date: <u>3-30-2009</u>	<input checked="" type="radio"/> Approved <input type="radio"/> Rejected
Approval Number: <u>3250</u>	

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

\$0.65/gallon + freight + FSC

2. Contamination Limits (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

To be used in the Nash process

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C

7. Tests for Product Recovered/Recycled (if applicable):

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8. Management for Product Recovered/Recycled (if applicable):

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4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date 3/30/2009

Dear Scott Rainey

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3250

Expiration Date 3/30/2011

Producer: Evergreen Solar
Address: 112 Barnum Road
Devens, MA 01434

Material / Product Information

Name of Material / Product Concentrated acid
Container Type:

Detailed Description of Process Generating or Producing the Material / Product:

Silicone wafers are fed through an etch line to be etched and prepared for solar panel manufacturing. Concentrated acid is a blend of acids that etch the silicone wafer. When bath is spent then the material becomes spent acid.

Color: dark

Odor: slight

pH: <2

Physical State:

Incompatibilities: Bases. Please refer to MSDS.

Safety Related Data/Special Handling:

PPE for concentrated acids.

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

EPAHO041000597



☐ CES Environmental Services – Houston Facility
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

☒ CES Environmental Services – Port Arthur Facility
2420 S. Gulfway Drive, Port Arthur, TX 77641
Phone: (713) 676-1460 Fax: (713) 676-1676
U.S. EPA ID No: TXR000079307 ISWR No: 88585

SECTION 1: Material Producer Information

Company: Evergreen Solar
Address: 112 Barnum Road
City, State, Zip: Devens, MA 01434
Contact: Wayne Wirtanen Title: EHS Manager
Phone No: 978-266-2292 Fax No:
24/hr Phone: 978-266-2262
U.S. EPA ID No: MAC300011012
State ID: N/A SIC Code:

SECTION 2: Billing Information – ☐ Same as Above

Company: Hydrocarbon Resource Recovery
Address: 3306 Poplar Run CT
City, State, Zip: Houston, TX. 77059
Contact: Scott Rainey Title: Mgt
Phone No: 713-724-8595 Fax No: 281-990-9176

SECTION 3: General Description of the Material / Product

Name of Material / Product: Concentrated acid waste (CAW)

Detailed Description of Process Generating or Producing the Material / Product: Silicone wafers are fed through an etch line to be etched and prepared for solar panel manufacturing. CAW is a blend of acids that etch the silicone wafer. When the bath is spent then the material becomes waste - spent acid. *concentrated acid*

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: dark

Odor: slight

1.4 to 1.5

Density: 14.5 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☒ Tote ☒ Truck ☐ Other (explain)
Container Size: 330 gallon 5,000 ga

Frequency: ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 50 totes Other: 3-4 tankers

Proper U.S. DOT Shipping Name:

Product
RQ, Corrosive Liquids, Toxic, N.O.S. (Sulfuric Acid, Hydrofluoric Acid),

Class: 8, 6.1

UN/NA: UN2922

PG: II

RQ: 100lbs

Flash Point N/A	pH ≤2	N/A	N/A	Solids ≤1%
Oil & Grease BDL mg/l	TOC BDL mg/l	Zinc BDL mg/l	Copper BDL mg/l	Nickel BDL mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Sulfuric Acid	75-85%	%
Nitric Acid	1-5%	%
Hydrofluoric Acid	1-2%	%
Water	1-10%	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

Please see MSDS . PPE for concentrated acids .

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Please see MSDS

SECTION 8: Material Producer's Certification

The information contained herein is based on ☐ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Wayne WhitmanDate: 3/13/09Printed Name/Title: ENVIRONMENTAL AFFAIRS MANAGER

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Technical Manager: Rabun E. ThompsonDate: 3-30-2009 ☒ Approved ☐ RejectedApproval Number: 3250



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

\$0.65/gallon + freight + FSC

2. Contamination Limits (maximum limit before surcharges apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

5. Treatment and Handling Protocol:

To be used in the Nash process

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

--

8. Management for Product Recovered/Recycled (if applicable):

--

Waste Pre-Acceptance/Approval Letter

Date 4/8/2009

Dear **Ricardo Salias**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3263

Expiration Date 4/8/2011

Generator: GATX (Hearne)

Address: 1401 W. Brown St.
Hearne, TX 77859

Waste Information

Name of Waste: Sodium Sulfide Solution

TCEQ Waste Code #: Product

Container Type:

Detailed Description of Process Generating Waste:

heel from railcars prior to cleaning RCRA empty containers

Color: amber, brown **Odor:** pungent, rotten egg **pH:** >11

Physical State:

Incompatibilities: mineral acids, strong oxidizers, chlorine, aluminum, copper, and
brass alloys

Safety Related Data/Special Handling:

caustic PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



**CES Environmental
Services, Inc.**

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

DC/MM

Product

SECTION 1: Material Producer Information

Company: GATX Rail
Address: 1401 W. Brown St.
City, State, Zip: Hearne, TX 77859
Contact: Ricardo Salias Title: Maintenance Manager
Phone No: 979-279-3481 Fax No: (979) 279-3020
24/hr Phone: 979-220-2450
U.S. EPA I.D. No: TXD000835207
State I.D. 32643 SIC Code:

SECTION 2: Billing Information – ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Material / Product

Name of Material / Product: Sodium Sulfide Solution

Detailed Description of Process Generating or Producing the Material / Product: heel from railcars prior to cleaning RCRA empty containers

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: amber, brown

Odor: pungent, rotten egg

Specific Gravity (water=1): 1

Density: 8.34 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size: _____

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☐ Yearly

Number of Units (containers): 5-10 Other: _____

Proper U.S. DOT Shipping Name:

Product

(Sodium Sulfide Solution) Corrosive liquids n.o.s.

Class: 8 UN/NA: UN1760 PG: II RQ: 833 gallons

Flash Point >140	pH >11	N/A	N/A	Solids 0%
Oil & Grease mg/l	TOC mg/l	Zinc mg/l	Copper mg/l	Nickel mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE		Concentration	Units
The material / product consists of the following materials		Ranges are acceptable	or %
water		88-93	%
sodium sulfide		0-12	%
sodium hydroxide		0-12	%
mixed alkyl sulfides		<1	%
mixed disulfide		<1	%
mixed alkyl mercaptans		<1	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
caustic PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

mineral acids, strong oxidizers, chlorine, aluminum, copper, and brass alloys

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: 4/3/9

Printed Name / Title: _____

Ricardo Salinas

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>Ricardo Salinas</u>	
Date: <u>4-8-09</u>	Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>
Approval Number: <u>PA-3263</u>	

PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. **Base Pricing (including freight):**

\$250/deum

2. **Contamination Limits (maximum limit before surcharges apply):**

Solids: 5%

3. **Surcharge Pricing:**

Call sales rep

4. **Special Testing Requirements:**

Full titration, percent solids, test for use in Nats production

5. **Treatment and Handling Protocol:**

Use in Nats production

6. **Treated Wastewater Discharge Subcategory:**

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C

7. Tests for Product Recovered/Recycled (if applicable):

NA

8. Management for Product Recovered/Recycled (if applicable):

NA



REVISION 4: February 26, 2008

MATERIAL SAFETY DATA SHEET

Page 1/6

1 IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

- 1.1 Identification of the Product: **SODIUM SULFIDE SOLUTION**
- 1.2 Product Code: SSREF
- 1.2 Company: Merichem Chemicals & Refinery Services LLC
5455 Old Spanish Trail
Houston, TX 77023, U.S.A.
- 1.3 Transportation Emergency: USA 800-424-9300 (CHEMTREC)
- 1.4 Product Information: 713-428-5000
713-926-3634 (Fax)

2 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Substance</u>	<u>CAS No.</u>	<u>% Present</u>	<u>Symbol(s)</u>	<u>R-Phrases</u>
Water	7732-18-5	88 - 93	-	-
Sodium Sulfide	1313-82-2	0 - 12	C, N	31, 34, 50
Sodium Hydroxide	1310-73-2	0 - 12	C	34
Mixed Alkyl/Aryl Sulfides	-	<1	-	-
Mixed Disulfides	68334-01-0	<1	-	-
Mixed Alkyl/Aryl Mercaptans	-	<1	-	-

3 HAZARDS IDENTIFICATION

May be corrosive to the skin, eyes and respiratory tract.

May cause burns to the skin and eyes (effects may be delayed).

May be harmful if swallowed, inhaled or absorbed through the skin.

Aspiration hazard if swallowed (can enter lungs and cause damage).

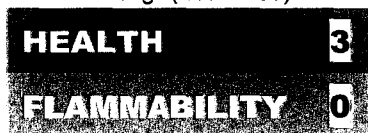
Noxious odors due to Sulfides, Disulfides and Mercaptans are typically present in the vapour space of closed containers, barges, tanks, etc.

Will react with mineral acids liberating Hydrogen Sulfide in concentrations that may be harmful or fatal.

Will react with mineral acids liberating Hydrogen Sulfide in concentrations that may result in a flammable atmosphere.

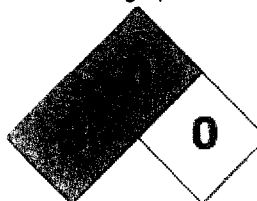
Small upper petroleum hydrocarbon layer/film with a flash point of less than 100°F may be present resulting in a potential fire hazard. However, material is not considered flammable or combustible for the purpose of meeting Hazard Communication requirements.

HMIS Ratings (Estimated)



0

NFPA Ratings (Estimated)



SODIUM SULFIDE SOLUTION (SSREF)**4 FIRST-AID MEASURES**

- In case of swallowing: Do not induce vomiting. If victim is alert and not convulsing, rinse mouth with water or milk and give three or more glasses of water or milk to drink. If spontaneous vomiting occurs, have affected person lean forward with head down to avoid breathing of vomitus. Rinse mouth again and give more water or milk to drink. Obtain medical attention.
- In case of inhalation: Remove affected person to fresh air. Provide oxygen if breathing is difficult. Give artificial respiration only if breathing has stopped and obtain immediate medical attention. Obtain medical attention if respiratory tract irritation develops.
- In case of contact with eyes: Promptly flush eyes with running water for 15 minutes, including under eyelids. Obtain medical assistance.
- In case of contact with skin: Promptly remove contaminated clothing and thoroughly wash exposed area with soap and water. Continue to flush exposed area with water. Seek medical assistance if irritation or other symptoms develop.

5 FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media: Suitable - Dry chemical, CO₂ or foam is recommended should fire result from petroleum hydrocarbon layer. Water spray may be used to cool or protect containers exposed to fire or heat.
Not suitable - Water spray may be ineffective in extinguishing fire resulting from petroleum hydrocarbon layer.
- 5.2 Fire exposure hazards: May release Hydrogen Sulfide when heated.
- 5.3 Personal protective equipment: Wear Self Contained Breathing Apparatus and protective clothing appropriate for fire-fighting. Non-emergency personnel should be removed from the area immediately.

6 ACCIDENTAL RELEASE MEASURES

Remove non-essential personnel from the area. Shut off ignition sources.

Observe any container warning labels (See Sections 14 and 15). Take precautions to avoid exposure (See Section 8).

Promptly contain any spilled material with dry agent (sand, vermiculite, etc.). Shovel agent and absorbed material into labelled container(s) for proper disposal (See Section 13).

7 HANDLING AND STORAGE

- 7.1 Handling: Handle/weigh this material under conditions of good local exhaust ventilation.
- Avoid breathing mist or aerosol, swallowing, and eye and skin contact.
- Wear personal protective equipment (See Section 8).
- Wash thoroughly after handling.
- 7.2 Storage: Store in compatible, sealed container.
- Store in a clean, dry, well-ventilated area away from heat, direct sunlight, hot metal surfaces, sources of ignition and mineral acids.
- Keep containers tightly closed.

SODIUM SULFIDE SOLUTION (SSREF)**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

- 8.1 Respiratory: Wear respiratory protection to prevent inhalation of uncontained dusts that may be formed during handling and to prevent exposure above regulatory levels (see Section 16). A full-facepiece, SCBA is recommended for nonroutine or emergency conditions.
- 8.2 Hand: Heavy PVC or butyl rubber gloves or gauntlets
- 8.3 Eye: Goggles or safety glasses/side shields in combination with face shield.
- 8.4 Skin: Proper work attire (i.e. Long sleeve shirt, long pants, work shoes). Conditions may also call for an apron, lab coat or coveralls.

9 PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Appearance: Amber, Brown Liquid
- 9.2 Odour: Pungent, Rotten Egg
- 9.3 pH: >11.0
- 9.4 Boiling Pt./range: 104°C (220°F), Approximately
- 9.5 Freezing Pt./Range: 0.5°C (33°F), Approximately
- 9.6 Flash point: Aqueous Solution, Not Flammable. (If present, petroleum hydrocarbon layer has a flash point <37.8°C (100°F))
- 9.7 Flammability: See 9.6
- 9.8 Autoflammability: See 9.6
- 9.9 Explosive properties: Not Explosive
- 9.10 Oxidizing properties: Not an oxidizer
- 9.11 Vapor pressure: Not Applicable
- 9.12 Relative density (H₂O = 1): 1.15 – 1.18 @ 15.6°C (60°F)
- 9.13 Bulk density: See 9.12
- 9.14 Solubility:
Water - Aqueous Solution
Fat (type) - Not determined
Other solvents - Not determined
- 9.15 Partition coefficient: Log P_{o/w} (Octanol/water) - Not determined
- 9.16 Other data: Odor Threshold = <1 ppm

10 STABILITY AND REACTIVITY

- 10.1 Conditions to avoid: High temperatures and possible sources of ignition.
- 10.2 Materials to avoid: Mineral acids, strong oxidizing agents, chlorine, aluminium, copper and brass alloys.
- 10.3 Hazardous decomposition products: Oxides of carbon may be released on burning or heating to decomposition.

SODIUM SULFIDE SOLUTION (SSREF)**11 TOXICOLOGICAL INFORMATION**

Acute: Irritant or corrosive in contact with body tissues.

Mist or aerosol is respiratory tract irritant and possibly harmful and systemic poison if inhaled.

Harmful if swallowed possibly causing severe irritation and burns of the mouth, throat and digestive tract followed by delayed effects of abdominal pain and nausea.

If released due to heating, etc., Hydrogen Sulfide vapors may cause headache, dizziness, nausea and vomiting. Prolonged exposure to elevated levels of Hydrogen Sulfide can lead to loss of consciousness, respiratory failure and death.

<u>CAS Number</u>	<u>Dermal LD₅₀</u>	<u>Oral LD₅₀</u>	<u>Inhalation LC₅₀</u>
1313-82-2	-	208 mg/kg, Rat 205 mg/kg, Mouse	-
1310-73-2	-	-	-
Sulfides (as Methyl Sulfide)	>5 gm/kg, Rabbit	3300 mg/kg, Rat 3700 mg/kg, Mouse	31620 ug/m ³ , Mouse
Disulfides (as Methyl Disulfide)	-	535 mg/kg, Rat	15850 ug/m ³ /2H, Rat 12300 ug/m ³ /2H, Mouse
Mercaptans (as Methyl Mercaptan)	-	682 mg/kg, Rat	4420 ppm/4H, Rat 2770 ppm/4H, Mouse

Chronic: Product and components are not listed by NTP, IARA or OSHA as carcinogens.

Product is unlikely to be a skin sensitizer.

12 ECOLOGICAL INFORMATION

The aquatic toxicity of this product has not been determined. One component, Sodium Hydroxide, is considered highly toxic to aquatic life (Bluegill LC₅₀ = 250 ug/L, 96 H). Avoid direct or indirect discharge to bodies of water.

13 DISPOSAL CONSIDERATIONS

Generators of waste material are responsible for evaluating materials for compliance with all applicable procedures and regulations. Disposal of unused materials must be in accordance with all local, state and federal regulations. Containers should be cleaned of residual product and rinsed according to all local, state and federal regulations prior to disposal.

14 TRANSPORT INFORMATION

IATA Proper Shipping Name: Corrosive liquid, n.o.s., (Sodium Sulfide Solution)

DOT Proper Shipping Name: Corrosive liquids, n.o.s., (Sodium Sulfide Solution)

UN No.: 1760

Symbol:

Hazard Class: 8

Packing Group: II

Marine Pollutant: No



Hazardous Substance: This product contains Sodium Hydroxide (RQ = 1000 lbs) which is listed in 49 CFR 172.101, Appendix A as a Hazardous Substance. Solution RQ = 8,333 pounds (846 gallons) at 12% concentration.

SODIUM SULFIDE SOLUTION (SSREF)

15 REGULATORY INFORMATION

Components listed as "dangerous" in Annex I to Directive 67/548/EEC⁽⁸⁾

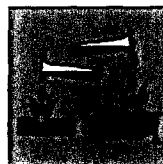
<u>Component or impurity</u>	<u>Annex I Number</u>
Sodium Sulphide	016-009-00-8
Sodium Hydroxide	011-0023-00-6

Classified according to the Directives 67/548/EEC and 88/379/EEC, and their various amendments, and labeled:

Sodium Sulfide Solution (SSREF)

Contains Sodium Sulphide (EC No. 215.211.5) and Sodium Hydroxide (EC No. 215-185-5)

Warning symbol:



Warning words:

Corrosive

Risk phrases:

Sodium Sulphide	R31	Contact with acid liberates toxic gas.
	R34	Causes burns.
	R50	Very toxic to aquatic organisms.
Sodium Hydroxide	R35	Causes severe burns.

Safety phrases:

Sodium Sulphide	S1/2	Keep locked up and out of reach of children.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
	S61	Avoid release to the environment.
Sodium Hydroxide	S1/2	Keep locked up and out of reach of children.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S37/39	Wear suitable gloves and eye/face protection.
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SODIUM SULFIDE SOLUTION (SSREF)

16 OTHER INFORMATIONOccupational Exposure Levels

Sodium Hydroxide	US (OSHA)	2 mg/m ³ , 8-hour TWA
	US (ACGIH)	2 mg/m ³ , Ceiling
	US (NIOSH)	10 mg/m ³ , IDLH
Dimethyl Sulfide (Reference)	US (ACGIH)	10 ppm, 8-hour TWA
Ethyl Mercaptan (Reference)	US (OSHA)	25 mg/m ³ (10 ppm), Ceiling
	US (ACGIH)	0.5 ppm, 8-hour TWA
	US (NIOSH)	500 ppm, IDLH

SARA Title III Information

	Sec 302 CERCLA RQ (pounds)	Sec 302 EHS TPQ (pounds)	Sec 311/312 Category	Sec 313 Toxic Chemical	Sec 313 Category
Product	8333 (Max)		Acute		
Sodium Sulfide			Acute Reactive		
Sodium Hydroxide	1000		Acute Reactive		

WHMIS:

<u>CAS Number</u>	<u>Rating</u>
1313-82-2	E, D1B
1310-73-2	E

Inventories:

<u>CAS Number</u>	<u>TSCA</u>	<u>DSL</u>	<u>EINECS</u>
1313-82-2	Yes	Yes	Yes
1310-73-2	Yes	Yes	Yes
7732-18-5	Yes	Yes	Yes
68334-01-0	Yes	Yes	Yes

Intended Uses:

For industrial use only. No other use is intended.

Revisions:

Revisions are indicated by 20% shading.

The format of this Safety Data Sheet conforms to the requirements of EC Directive 91/155/EEC.

The information on this form is furnished solely for the purpose of enabling those who transport, handle or use our products to ensure the safety and health of their employees and to comply with various laws and regulations (federal, state and local). This information is offered in good faith and is believed to be accurate. Merichem Chemicals & Refinery Services LLC, however, makes no guarantee or warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use hereof.



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 4/14/2009

Dear Ruben Fernandez

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3273

Expiration Date 4/14/2011

Generator: Dana Container

Address: 902 Sens Road
La Porte, TX 77572

Waste Information

Name of Waste: Caustic Heels

TCEQ Waste Code #: PRODUCT

Container Type:

Detailed Description of Process Generating Waste:

Removal of heels from corrosive trailer prior to cleaning.

Color: varies

Odor: mild

pH: >12.5

Physical State:

Incompatibilities: Metals, Oxidizing Agents

Safety Related Data/Special Handling:

Chemical Suit, Rubber Gloves, Rubber Boots, Safety Goggles, Face Shield, Hard Hat

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



☐ CES Environmental Services - Houston Facility
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

☒ CES Environmental Services - Port Arthur Facility
2420 S. Gulfway Drive, Port Arthur, TX 77641
Phone: (713) 676-1460 Fax: (713) 676-1676
U.S. EPA ID No: TXR000079307 ISWR No: 88585

SECTION 1: Material Producer Information

Company: Dana Container
Address: 902 Sens Road
City, State, Zip: La Porte, TX 77571
Contact: Julio Cuellar Title: _____
Phone No: (832) 362-8676 Fax No: (281) 470-2570
24/hr Phone: _____
U.S. EPA I.D. No: TXR000011155
State I.D. 41563 SIC Code: NA

SECTION 2: Billing Information - ☒ Same as Above

Company: Dana Container
Address: PO Box 1023
City, State, Zip: La Porte, TX 77572
Contact: Ruben Fernandez Title: _____
Phone No: (281) 471-4700 Fax No: (281) 470-2570

SECTION 3: General Description of the Material / ProductName of Material / Product: Caustic HeelsDetailed Description of Process Generating or Producing the Material / Product: Removal of heels from corrosive trailer prior to cleaning.

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: VariesOdor: MildSpecific Gravity (water=1): 9-1.1 Density: lbs/galDoes this material contain any total phenolic compounds? ☐ Yes ☒ NoDoes this material contain any para substituted phenolic compounds? ☐ Yes ☒ NoLayers: ☒ Single-phase ☐ Multi-phase

Container Type: ☒ Drum ☐ Tote ☐ Truck ☐ Other (explain)
Container Size: 55 gal

Frequency: ☐ Weekly ☒ Monthly ☐ Quarterly ☒ Yearly

Proper U.S. DOT Shipping Name:

Product
Corrosive Liquids, N.O.S.Class: 8UN/NA: UN1760PG: PG IIRQ: 100

Flash Point >140	pH >12.5	N/A	N/A	Solids 0-2%
Oil & Grease NAmg/l	TOC NAmg/l	Zinc NAmg/l	Copper NAmg/l	Nickel NAmg/l

SECTION 4: Physical and Chemical Data

The material / product consists of the following materials	Ranges are acceptable	or %
Sodium Hydroxide	15-50	%
Hydrogen Peroxide	30-80	%
Water	60-80	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.

Chemical Suit, Rubber Gloves, Rubber Boots, Safety Goggles, Face Shield, Hard Hat

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Metals, Oxidizing Agents

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☐ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: 4-13-09

Printed Name/Title: _____

Julio Cuellar / Cleaning Facility Mgr.

CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: <u>[Signature]</u>	
Date: <u>4-14-09</u>	Approved <input checked="" type="checkbox"/> Rejected <input type="checkbox"/>
Approval Number: _____	

**PROCESS FACILITY INFORMATION (CES USE ONLY)****1. Base Pricing (including freight):**

\$180 / DM

2. Contamination Limits (maximum limit before surcharges apply):**3. Surcharge Pricing:****4. Special Testing Requirements:**

Standard sulfidic caustic evaluations for use in the NaSH Production Process: Run full titration, density, percent solids and percent oil via centrifugation, and perform sample acid reaction to ensure normal reaction. Check to ensure oil does not appear post reaction. Check odor, color, and appearance to ensure they are normal. If anything seems abnormal, contact management immediately.

Complete inbound load report if: either solids or oil exceed 1%, arrangements are made for with customer service regarding customer surcharges. If any of these conditions exist, contact customer service immediately.

5. Treatment and Handling Protocol:

Feedstock for NaSH into RV2/RV1. Process through reactor vessel for the recovery of sulfur compounds in the production of NaSH

Wastewater may either go to System 1 or other wastewater treatment options

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

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8. Management for Product Recovered/Recycled (if applicable):

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4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **5/26/2009**

Dear **Nancy Girten**

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3341

Expiration Date 5/27/2011

Generator: Paramount Petroleum Corporation - Long Beach

Address: 2400 E Artesia Blvd
Long Beach, CA 90805

Waste Information

Name of Waste: Spent Sulfidic Caustic

TCEQ Waste Code #: Product

Container Type:

Detailed Description of Process Generating Waste:

removal of sulfide compounds from scrubber

Color: varies

Odor: rotten eggs

pH: >12.5

Physical State:

Incompatibilities: strong acids

Safety Related Data/Special Handling:

caustic PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



Product

☐ CES Environmental Services – Houston Facility
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

☒ CES Environmental Services – Port Arthur Facility
2420 S. Gulfway Drive, Port Arthur, TX 77641
Phone: (713) 676-1460 Fax: (713) 676-1676
U.S. EPA ID No: TXR000079307 ISWR No: 88585

SECTION 1: Material Producer Information

Company: Paramount Petroleum Corporation - Long Beach
Address: 2400 E Artesia Blvd
City, State, Zip: Long Beach, CA 90805
Contact: Nancy Girten Title: Environmental Engineer
Phone No: 562-748-4698 Fax No: 562-529-8061
24/hr Phone: 562-984-6486
U.S. EPA I.D. No: CAL000313345
State I.D. SIC Code: 2911

SECTION 2: Billing Information – ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Material / Product

Name of Material / Product: Spent Sulfidic Caustic

Detailed Description of Process Generating or Producing the Material / Product: removal of sulfide compounds from scrubber

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: varies

Odor: _____

Specific Gravity (water=1): 1.03 Density: 8.6-9.2 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)
Container Size: _____ 5000 gal

Frequency: ☒ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly
Number of Units (containers): 2-3 Other: _____

Proper U.S. DOT Shipping Name: Product Sodium Hydroxide Solution

Class: 8 UN/NA: UN1824 PG: II RQ: _____

Flash Point <140	pH >12.5	N/A	N/A	Solids <0.5%
Oil&Grease sheenmg/l	TOC NAmg/l	Zinc NAmg/l	Copper NAmg/l	Nickel NAmg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Sodium Hydroxide	2-10	%
Water	98-90	%
Sulfides	<2	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
gloves, face shield, respirator.

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

Strong acids

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:

Nancy Girtten

Date:

5/20/09

Printed Name/Title: Nancy Girtten/Environmental Engineer

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Technical Manager:

Rebecca Thayer

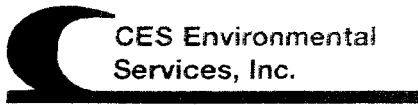
Date:

5-21-09

Approved

Rejected

Approval Number:



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

\$0.40 per gallon FOB Port Arthur

2. Contamination Limits (maximum limit before surcharges apply):

<0.5% solids. Minimum 2% NaOH concentration

3. Surcharge Pricing:

\$0.02 per % solids in excess of 0.5%

4. Special Testing Requirements:

Run through Standard Spent Caustic Sampling tests: pH, % NaOH by titration, metals, TOC, phenol

call matt / joy if any questions.

5. Treatment and Handling Protocol:

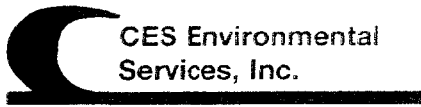
Process to RVI

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7. Tests for Product Recovered/Recycled (if applicable):

See section 4

8. Management for Product Recovered/Recycled (if applicable):

see section 5



4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date 5/26/2009

Dear Nancy Girten

Thank you for choosing CES Environmental Services, Inc. for your waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3342

Expiration Date 5/27/2011

Generator: Paramount Petroleum Corporation

Address: 14700 Downey Ave
Paramount, CA 90723

Waste Information

Name of Waste: Spent Sulfidic Caustic

TCEQ Waste Code #: Product

Container Type:

Detailed Description of Process Generating Waste:

removal of sulfide compounds from scrubber

Color: varies

Odor: rotten eggs

pH: >12.5

Physical State:

Incompatibilities: strong acids

Safety Related Data/Special Handling:

caustic PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.



45 Product

☐ CES Environmental Services – Houston Facility
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

☒ CES Environmental Services – Port Arthur Facility
2420 S. Gulfway Drive, Port Arthur, TX 77641
Phone: (713) 676-1460 Fax: (713) 676-1676
U.S. EPA ID No: TXR000079307 ISWR No: 88585

SECTION 1: Material Producer Information

Company: Paramount Petroleum Corporation
Address: 14700 Downey Ave
City, State, Zip: Paramount, CA 90723
Contact: Nancy Girten Title: Environmental Engineer
Phone No: 562-748-4698 Fax No: 562-529-8061
24/hr Phone: 562-748-4711
U.S. EPA I.D. No: CAD008371098
State I.D. SIC Code: 2911

SECTION 2: Billing Information – ☒ Same as Above

Company: _____
Address: _____
City, State, Zip: _____
Contact: _____ Title: _____
Phone No: _____ Fax No: _____

SECTION 3: General Description of the Material / Product

Name of Material / Product: Spent Sulfidic Caustic

Detailed Description of Process Generating or Producing the Material / Product: removal of sulfide compounds from scrubber

Physical State: ☒ Liquid ☐ Sludge ☐ Powder
☐ Solid ☐ Filter Cake ☐ Combination

Color: varies

Odor: _____

Specific Gravity (water=1): 1.03

Density: 8.6-9.2 lbs/gal

Does this material contain any total phenolic compounds? ☐ Yes ☒ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☒ No

Layers: ☒ Single-phase ☐ Multi-phase

Container Type: ☐ Drum ☐ Tote ☒ Truck ☐ Other (explain)

Container Size: _____ 5000 gal _____

Frequency: ☒ Weekly ☐ Monthly ☒ Quarterly ☐ Yearly

Number of Units (containers): _____ Other: upset conditions

Proper U.S. DOT Shipping Name: Product Sodium Hydroxide Solution

Class: 8 UN/NA: UN1824 PG: II RQ: _____

Flash Point <140	pH >12.5	N/A	N/A	Solids <0.5%
Oil & Grease sheen mg/l	TOC NAmg/l	Zinc NAmg/l	Copper NAmg/l	Nickel NAmg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Sodium Hydroxide	2-10	%
Water	98-90	%
Sulfides	<2	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
gloves, face shield, respirator.

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Strong acids

SECTION 8: Material Producer's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: _____

Date: 5/21/09

Printed Name/Title: Nancy Girten/Environmental Engineer

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

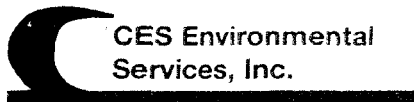
Technical Manager: _____

Date: 5-21-09

(Approved)

Rejected

Approval Number: _____



PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1. Base Pricing (including freight):

\$0.40 per gallon FOB Port Arthur

2. Contamination Limits (maximum limit before surcharges apply):

<0.5% solids. Minimum 2% NaOH concentration

3. Surcharge Pricing:

\$0.02 per % solids in excess of 0.5%

4. Special Testing Requirements:

Run through Standard Spent Caustic Sampling tests: pH, % NaOH by titration, metals, TOC, phenol

call matt /joy if any questions

5. Treatment and Handling Protocol:

Process to RV1

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A

☐ Subcategory B

☐ Subcategory C

7. Tests for Product Recovered/Recycled (if applicable):

See section 4

8. Management for Product Recovered/Recycled (if applicable):

see section 5

naphthenic caustic

Citgo Profile
2641

281/471.851 FAX:281/471.821

CERTIFICATE OF ANALYSIS | 62376.01

1 of 1

Customer: CES Env. Svcs.
Project ID: Citgo LC
Project Loc: LC, LA
Charge/P.O.:

Sample ID: Naphthenic Caustic
09-28-07
Matrix: Waste Water
Type: Grab

Environ ID: 62376.01
Sampled: 09-28-07
Received: 10-01-07
Reported: 10-05-07

RECEIVED BASIS

ANALYTE/ PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
Caustic As NaOH	1.9	WL %	-	0.1	EPA 800.310.1	OLC	10-03-07	07:50
Phenolics	2,790	mg/l	-	0.05	EPA 800.825	LC	10-04-07	10:00
Benzene	1.94	mg/l	-	0.01	SW846.8021B	DMB	10-02-07	16:52
METALS (RCRA) - TCLP					SW846.1311	MN	10-01-07	
Arsenic	0.9	mg/l	5.00	0.2	SW846.8010B	JK	10-03-07	13:20
Barium	0.5	mg/l	100	0.2	SW846.8010B	JK	10-03-07	13:20
Cadmium	< 0.2	mg/l	1.00	0.2	SW846.8010B	JK	10-03-07	13:20
Chromium	< 0.2	mg/l	5.00	0.2	SW846.8010B	JK	10-03-07	13:20
Lead	< 0.2	mg/l	5.00	0.2	SW846.8010B	JK	10-03-07	13:20
Nickel	< 0.2	mg/l	70.00	0.2	SW846.8010B	JK	10-03-07	13:20
Selenium	< 0.2	mg/l	1.00	0.2	SW846.8010B	JK	10-03-07	13:20
Silver	< 0.2	mg/l	5.00	0.2	SW846.8010B	JK	10-03-07	13:20
Zinc	< 0.2	mg/l	-	0.2	SW846.8010B	JK	10-03-07	13:20
Mercury	0.018	mg/l	0.200	0.002	SW846.7470A	MN	10-02-07	12:00

Definitions: REG - Regulatory Limit (User Should Confirm Limits)
MQL - Method Quantitation Limit
PPM - Parts Per Million
mg/l - PPM by Volume, mg/kg - PPM by Weight

John Keller
John Keller, Ph.D.
Laboratory Director

S.T.O.P.

Sulfidic Treatment Operating Procedures

S.T.O.P.

Sulfidic Treatment Operating Procedures

INTRODUCTION

The Sulfidic Treatment System is used primarily for receiving and treating streams with high sulfidic content. The process will involve oxidizing the sulfides and returning the stream to a treatable wastewater stream within the regulatory parameters established for CES Environmental Services Inc. Once the sulfides are successfully oxidized, the stream will be treated following the normal procedures used in the wastewater treatment plant. The operating procedures, safety systems, and the air quality controls are outlined in this manual.

OVERVIEW

The following is a process overview of quantities of chemicals, and order and speed of treatment. The product will be treated using a batch method where a load is received, transferred into the treatment tank, treated, and finally, sent to the filter press to remove any solids. The following is an itemized sequence of events.

- Approximately ⁴⁵⁰⁰3,000 gal. of product is loaded into treatment tank.
- Inject 2,400 gal. Hydrogen Peroxide/water mix into batch @ 1 to 3 gpm. Hydrogen Peroxide and water will be mixed @ 800 Hydrogen Peroxide + ⁵⁰¹⁰1,600 gal. of water. 2700
- Once injection is complete, batch will continue to mix while samples are tested in the lab to ensure no residual Hydrogen Peroxide is present. 28% 30% 50
- Once test results are good, inject approximately ²⁴⁸400 gals. of Sulfuric Acid @ ½ to 1 gpm.
- Test samples in lab to ensure that there are no Sulfides left in batch.
- Inject Ferric Chloride @ 4% or approximately ^{23 GALLONS}300 gal.
- Inject Lime to elevate ph to approx. ^{9.5 - 10.5}10.5. ABOUT 450 GALLONS
- Add Polymer accordingly. ^{4.5 GALLONS}
- Filter press entire batch using standard filter press procedures.
- The caustic scrubber tank will be tested periodically during the process. The caustic has reached full capacity when it reaches 15 – 30 % Sulfide content. Air samples will also be checked periodically to ensure no Sulfides are released to the main scrubber.

WHAT FRAC TANK #

143 - GALLON \$ 500 gal

SIB

SCRUB - NASH

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Safety Systems

H2S monitors

The unit has been equipped with an H2S monitoring system. The sensors are strategically located in and around the surrounding areas. The system has been calibrated and will be recalibrated annually or as the need arises. There are sensors located at eye level when entering the area, also located on the catwalks surrounding the tanks, and by the exhaust stack of the primary scrubber.

Air regulators, Pressure gauges, and Orifices

All pumps are equipped with air regulators that will deter excessive air supplied to the pumps. Orifices have also been installed so that the desired amount of injection is obtained. The air pressure and orifice sizes have been established through bench scale testing to ensure proper injection rates. Pressure gauges have been installed on the treatment tank and the caustic scrubber tank to allow the operator to monitor pressures while operating.

Breathing air and 5 min. packs

Breathing air will be positioned and available in critical areas such as the upper catwalk area, the lower operating area, and entrance to processing area. 5 min. packs will be located in 2 areas on the upper catwalk and 2 areas in the lower operating area.

Evacuation plans

In the event of an alarm, the operator is to immediately alert any personnel to evacuate the building. The operator must don either the 5 min. pack or supplied air and assess the situation. If feasible the operator should determine the cause of the alarm and correct. If correction is not possible, the operator should evacuate and contact emergency personnel.

Pressure relief valves

The treatment tank is equipped with a calibrated ½ lb. conservation bleeder vent. This vent releases if the tank builds more than ½ lb. of pressure or ½ lb. of vacuum. If released the vent is tied into the primary scrubber so that the tank can't be overcome by pressure or vacuum. The treatment tank is also equipped with a 2 lb. pop-off relief valve in the event that the conservation vent fails. The caustic scrubber is equipped with a relief vent calibrated @ 2.5 lbs.

Emergency generator and Exhaust fan

An emergency generator with an auto start is set up in the event of a power failure. If the power goes out, the generator automatically starts and supplies power to the unit. This back-up is designed to allow the operator to bring down the unit properly until main power is re-established. An exhaust fan is installed on the roof above the unit. The fan is controlled to automatically engage when the H₂S monitors alarm, or the power fails, which the back-up generator will run.

Air Quality Control

Potassium Permanganate

The carbon canister on the main scrubber is the final stage of the scrubber system. The carbon being used is impregnated with Potassium Permanganate which aides in the oxidation of sulfides.

Scrubber Solutions

The scrubber solutions consist of 2 treatment vats. The first vat consists of a caustic/bleach/water mixture to combat sulfide odors, and the second vat consists of a hydrocarbon encapsulator/deodorizer solution.

Caustic Scrub Tank

The vapors from the treatment tank will be pumped through diffusers located in the caustic scrub tank. This technique will enable the caustic in the scrub tank to absorb the sulfides released during treatment. The concentration will be monitored throughout the process. Max levels of absorption have been established, and once achieved the caustic will be changed out.

Processing Procedures

Transferring product from trailer to treatment tank

1. Bring loaded trailer into unloading bay.
2. Check to ensure air monitors are on and working properly.
3. Check to ensure that the processing tank is sealed up, and all valves are closed.
4. Hook up the vapor exchange line to the trailer and open the valve on the processing tank.
5. Open the fill valve located on top of the treatment tank.

6. Hook hose to trailer discharge fitting.
7. Open valves on trailer and open vent valve that is hooked up to the vapor exchange line.
8. Open valve on discharge side of pump.
9. Start pump and begin transferring product to the treatment tank.
10. When transfer is complete, hook air hose to crows-foot by valve on hose and blow line clean.
11. Close vapor exchange valve on trailer and pipe, and unhook.
12. Unhook trailer and put cap on hose.
13. Close fill valve on top of treatment tank.
14. Close vapor exchange valve on top of treatment tank.

Hydrogen Peroxide transfer from holding tank to mixing tote

1. Hydrogen Peroxide should be mixed @ 1 part Hydrogen Peroxide to 2 parts water.
2. Hydrogen Peroxide and water mixing will be regulated by flow meters to determine accurate mixture in tote.

Sulfuric Acid, Ferric Chloride, Caustic filling

1. 2" poly pumps are installed to fill tanks as needed. Each pump is outfitted with dedicated hoses, block valves, and check valves.
2. Pumps are located where forklifts are accessible to fill tanks as needed.

Hydrogen Peroxide injection

1. The Hydrogen Peroxide tote is equipped with a ½" diaphragm pump. It is also equipped with a flow meter and an air control valve. An Orifice plate has been installed to regulate the predetermined flow rate. The Orifice plate has been sized using 50 psi air consumption.
2. The Hydrogen Peroxide water mix will be injected between 1 and 3 gpm. The amount will start @ 1 gpm and ramp up to maximum allowable injection rate of 3 gpm. This process demands close monitoring so that the operator does not exceed the capacity of the vapor exchange pumps.
3. A typical 5,000 gal. load will take approx. 2,400 gal. of Hydrogen Peroxide mix.
4. When injecting spot checking the over flow line is important, as the product will foam if injected too fast.
5. The caustic scrubber should be checked periodically for sulfide content.
6. Air samples from the main scrubber should also be checked during this process.
7. Once complete allow mixer to run for 30 min. while continuously lab testing product for Hydrogen Peroxide contents. No Hydrogen Peroxide should be detected at this stage. If Hydrogen Peroxide is detected, allow product to continue mixing until no Hydrogen Peroxide is detected.

Sulfuric Acid injection

1. Once Hydrogen Peroxide parameters are satisfactory, close Hydrogen Peroxide valve on top of treatment tank and open Sulfuric Acid valve.
2. Begin injecting Sulfuric Acid by opening air control valve on Sulfuric Acid pump.
3. Pump is preset @ 50 psi with an Orifice plate of ½ gpm to 1 gpm.
4. Inject 400 gals. while monitoring pressures not to exceed ½ psi.
5. Once complete sample product to determine if any sulfides are present. If sulfides are present, consult with lab technician on injection rates.
6. Continue monitoring sulfide content in caustic scrubber during Sulfuric Acid injection.
7. Continue monitoring air samples in caustic scrubber during Sulfuric Acid injection.

Ferric Chloride injection

1. After lab test conclude that no sulfides are present in product, close Sulfuric Acid valve on top of tank and open Ferric Chloride valve.
2. Inject Ferric Chloride @ 5 gpm. to 4% or approx. 300 gals. Ensure pressure and temp. are within parameters.

Lime injection

1. Close Ferric Chloride valve on top of tank and open Lime injection valve.
2. Inject Lime until ph level reaches 10.5 on the ph monitoring system.

Polymer injection

1. Once ph levels 1.5 close Ferric Chloride valve and open Polymer valve on top of tank.
2. Inject Polymer as regulated per normal procedures in waste water treatment.

Filter Pressing

1. Once ph levels are satisfactory, begin pressing entire contents and return liquids to waste water treatment facility.

Incident Report
of
Joey Sutter
December 18, 2008

**Port Arthur Chemical and Environmental
Services, LLC ("PACES")
2420 South Gulfway
Port Arthur, TX 77640
713-676-1460**

**Port Arthur Chemical and Environmental Services, Inc. LLC
2420 South Gulfway
Port Arthur, TX 77640
713-676-1460**

"PACES"

At Port Arthur (TX), PACES operates a chemical manufacturing facility which produces sodium hydrosulfide, Naphthenic Acid, and oils.

PACES uses sulfidic, phenolic, and Naphthenic Caustic as an effective substitute for commercial products and as feed to the chemical manufacturing process.

These materials, used as feeds, fall into a generic recycling exemption under RCRA 40 CFR 261.2(e)(1)(ii), since these materials are functioning as raw materials and therefore are outside of RCRA's jurisdiction, and thus are not wastes.

In as such, PACES is not a RCRA TSDF. It is a chemical manufacturing facility.

Incident Report
of
Joey Sutter
December 18, 2008

**Port Arthur Chemical and Environmental
Services, LLC ("PACES")
2420 South Gulfway
Port Arthur, TX 77640
713-676-1460**

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**Incident Report of Joey Sutter
December 18, 2008**

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Joey Sutter Incident Report December 18, 2008

Pre- Incident

Several days before December 17, 2008 Trailer 267 was loaded with oil from an emulsion breaking process at the PACES site 2420 South Gulfway, Port Arthur, TX.

On December 17, 2008, Brian Weathers sampled Trailer 267, removing a sample of the oil from inside the trailer (See Attachment 1).

Incident

On December 18, 2008, at 2:00 p.m., Suzi Mock and Joey Sutter went to Trailer 267 to resample the oil in the trailer. Ms. Mock climbed to the top of Trailer 267 first. Mr. Sutter started up the ladder after and behind Ms. Mock. As Mr. Sutter reached the top of the latter he collapsed. Ms. Mock grabbed Mr. Sutter so he would not fall from the Trailer 267. Ms. Mock pulled Mr. Sutter to the top of the Trailer 267. Mr. Sutter and Ms. Mock did not open the dome lid nor did she or Mr. Sutter obtain a sample at this time. This was at 2:00 p.m., Thursday, December 18, 2008. According to Mr. Wood, Mr. Sutter collapsed on top of the dome lid before it was open. In addition, Mr. Wood did not suffer from hydrogen sulfide (H₂S) exposure (See Attachment 13).

Ms. Mock called for help and at 2:10 p.m. (12/18/08) the Port Arthur Fire Department was notified (See Attachment 2). Within a few minutes of 2:00pm (12/18/08) Mr. Wood went to Ms. Mock to assist her with Mr. Sutter. Mr. Wood also assisted Ms. Mock to turn Mr. Sutter over, still on top of the Trailer 267.

At 2:20 p.m. (12/18/08) the Port Arthur Fire Department arrived and by 2:35 p.m., Mr. Sutter was removed from the top of the Trailer 267 by the Port Arthur Fire Department (See Attachment 2).

Ms. Mock did not experience any illness from any hydrogen sulfide release when she was with Mr. Sutter on top of the Trailer 267. Ms. Mock's personal hydrogen sulfide monitor did not trigger when she was on top of the Trailer 267. Ms. Mock's monitor was set to alarm at 10 ppm hydrogen sulfide. Mr. Wood did not experience any illness from hydrogen sulfide while assisting Mr. Sutter.

The Port Arthur Fire Department placed Mr. Sutter's clothes and the Port Arthur Fire Department hydrogen sulfide meter in a bag. The Port Arthur Fire Department measured a reading of -0- hydrogen sulfide. The Port Arthur Fire Department returned to the top of Trailer 267 two hours after Mr. Sutter was removed and measured only 1 ppm hydrogen sulfide (See Attachment 2).

Post Incident

OSHA tested Mr. Sutter's clothes for hydrogen sulfide and did not find any hydrogen sulfide (See Attachment 3). OSHA tested the head space over an oil sample from Trailer 267 and did not find any hydrogen sulfide (See Attachment 4).

Hydrogen sulfide technical information sources state that it takes 700 to 1000 ppm of hydrogen sulfide to knockdown an individual with hydrogen sulfide. In addition, when a group of people are together near a hydrogen sulfide release all persons suffer health problems (See Attachment 5).

OSHA measured organic sulfur compounds in the oil which exhibits a smell similar to hydrogen sulfide, but the organic sulfur compounds are liquid at ambient temperatures and not a toxic gas.

In addition, the oil in Trailer 267 was not heated prior to the December 18, 2008 incident, since no steam was available and the trailer had been loaded prior to December 17, 2008 without any modifications of the oil for two days (See Attachment 6).

In summary, pre-incident information and post incident information does not support the concept that hydrogen sulfide was released from a trailer during a short time of a few minutes at such level of 700 to 1000 ppm to cause one of two people side-by-side to collapse and die in minutes while the second person is holding on to the dying person without having her personal hydrogen sulfide alarm activate (See Attachment 7).

In addition, a third person climbed to the top of Trailer 267 to assist the two already on trailer without getting sick from hydrogen sulfide. Also, the Port Arthur Fire Department representative did not note any problems with anyone other than Mr. Sutter. Remember, Trailer 267 was sampled the day before with out any problems.

Joey Sutter Autopsy Comments

The autopsy based its conclusions on a lab report from NMS Labs dated March 25, 2009. This NMS Labs Report based its conclusion on one test of one blood sample which was received on March 5, 2009 by NMS Labs, when the death occurred on December 18, 2008. This delay in testing appears to have violated acceptable protocols. NMS Labs states in their on-line test catalog information that the blood sample is only stable for one month. Lab Corp states in their thiosulfates in blood testing instructions that sample stability is for one month, if frozen and only 9 days refrigerated (See Attachment 8).

The NMS Labs Report did not state that Mr. Sutter died from hydrogen sulfide poisoning. The report stated that the measured value of thiosulfate in the blood sample was similar to values found in four other situations where people were believed to have died from hydrogen sulfide. However, the thiosulfate value of 43% of the cases were above 11 mcg/ml (value measured in Mr. Sutter's blood) and 43% were below the 11

mcg/ml value. The NMS Labs Report did not speak to another NMS Labs analysis report on urine from Mr. Sutter received January 15, 2009 (See Attachment 8). This report stated that thiosulfate in urine was normal. Technical information states that thiosulfate in urine is just as valid as thiosulfate in blood for measuring hydrogen sulfide exposure.

Both the NMS Labs Report of March 25, 2009 and the T. Brown Autopsy Report of April 17, 2009 omitted the sulfhemoglobin in blood data identified in the NMS Labs Report of January 20, 2009. Susan Jones at Southeast Texas Forensic Center (Jefferson County Morgue) stated that the sulfhemoglobin measured levels were below testing limits. As a biological marker the test data reflects no exposure to hydrogen sulfide.

Both the NMS Labs Report of March 25, 2009 and the Mr. Sutter Autopsy had many facts wrong. For example, both stated that the site operator (PACES) was boiling water in a closed dome tank (trailer) to drive off hydrogen sulfide. Remember, this material is oil in a tanker which is not heated, since no steam was available. Also, the thiosulfate analysis of the blood did not follow correct procedures, where the thiosulfate test in the urine did follow correct lab procedures.

The Sutter Autopsy Report did show that Mr. Sutter was over weight to the point of being obese and a smoker. Mr. Sutter's blood pressure values of August 2008 were 136/90 (See Attachment 11). These numbers reach the level of Stage 1 Hypertension. Technical data states that hypertension can result in hardening of the arteries, enlarged heart, and other health issues. The T. Brown Autopsy Report (04/17/09), states that Mr. Sutter had cardiomegaly (an enlarged heart), and hardening of the arteries. The risk and complications from an enlarged heart are heart failure, blood clots, cardiac arrest, and sudden death. Earlier on December 18, 2009, there had been discussions by Mr. Sutter with others that he was feeling ill.

Summary

Hydrogen sulfide poisoning could have not been the mechanism that caused the death of Joey Sutter, since the exposure level (700 to 1000 ppm) required to knockdown and kill quickly would have affected companions, triggered alarms, showed up in clothes, and introduced odors over a wide area, since the odor threshold of hydrogen sulfide is 0.005 ppm. The autopsy conclusion is based on one lab result that uses one blood sample that is beyond sample stability limits. The other lab results that do not indicate hydrogen sulfide poisoning are ignored by the autopsy writer.

In addition, low levels of hydrogen sulfide over long periods of time would not have been a factor in the death since recent and past results show no adverse impacts from low levels of hydrogen sulfide. Most recent data shows that low levels of hydrogen sulfide lowers blood pressure (See Attachment 10).

However, Mr. Sutter had weight and blood pressure issues that were significant and indicators of personal health issues.

Attachment

1

General Affidavit

STATE OF TEXAS

COUNTY OF Jefferson

BEFORE ME, the undersigned Notary, Patricia Grace Kruger, on this 3 day of March, 2009, personally appeared Brian Weathers known to me to be a credible person and of lawful age, who being by me duly sworn, on his oath, deposes and says:

My name is Brian Weathers. I am over 21 years of age. I was the Supervisor on December 17, 2008 and on December 18, 2008 at the Port Arthur Chemical and Environmental Services, LLC ("PACES") plant site at the time Joey Sutter passed away. I have personal knowledge and experience with the PACES' personal H₂S Monitoring Equipment and Sampling of Trailers. During of December 17, 2008 my H₂S alarm at PACES did not sound an alarm warning when I obtained a sample from Trailer 267. H₂S Monitor was set at 10 ppm H₂S to alarm on December 17, 2008 when I sampled the Trailer 267.

Brian Weathers
(Signature of Affiant)

Brian Weathers
(Printed Name of Affiant)

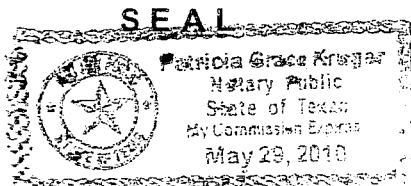
7803 TWELFTH FAIRWAY Humble TX 77346
(Address of Affiant, Line 1)

(Address of Affiant, Line 2)

STATE OF TEXAS

COUNTY OF Jefferson

Sworn to and subscribed before me on this 3 day of March, 2009,
by _____.



Patricia Grace Kruger
(Notary Public Signature)

Attachment

2

A		MM DD YYYY	Delete		NFIRS -1	
NH715 TX		12 18 2008	2	08-0012882	000	Basic
FDID *		State *	Incident Date *	Station	Incident Number *	Exposure *
<input type="checkbox"/> Check this box to indicate that the address for this incident is provided on the Wildland Fire Census Tract Module in Section B "Alternative Location Specification". Use only for Wildland fires.						
B Location*						
<input checked="" type="checkbox"/> Street address						
2420 S Gulfway DR						
Number/Milepost Prefix Street or Highway Street Type Suffix						
<input type="checkbox"/> Intersection						
<input type="checkbox"/> In front of						
<input type="checkbox"/> Rear of						
<input type="checkbox"/> Adjacent to						
<input type="checkbox"/> Directions						
Apt./Suite/Room City State Zip Code						
PORT ARTHUR TX 77640						
Cross street or directions, as applicable						
C Incident Type *						
321 EMS call, excluding vehicle						
Incident Type						
D Aid Given or Received*						
1 <input type="checkbox"/> Mutual aid received						
2 <input type="checkbox"/> Automatic aid recvd.						
3 <input type="checkbox"/> Mutual aid given						
4 <input type="checkbox"/> Automatic aid given						
5 <input type="checkbox"/> Other aid given						
N <input checked="" type="checkbox"/> None						
Their FDID Their State						
Their Incident Number						
E1 Date & Times						
Midnight is 0000						
Check boxes if dates are the same as Alarm						
ALARM always required						
Date: Alarm * 12 18 2008 14:10:33						
ARRIVAL required, unless canceled or did not arrive						
<input checked="" type="checkbox"/> Arrival * 12 18 2008 14:19:20						
CONTROLLED Optional, Except for wildland fires						
<input type="checkbox"/> Controlled						
LAST UNIT CLEARED, required except for wildland fires						
Last Unit						
<input checked="" type="checkbox"/> Cleared 12 18 2008 16:45:03						
E2 Shift & Alarms						
Local Option						
B 01 2						
Shift or Alarms District						
Platoon						
E3 Special Studies						
Local Option						
Special Study ID#						
Special Study Value						
F Actions Taken *						
23 Extricate, disentangle						
Primary Action Taken (1)						
33 Provide advanced life						
Additional Action Taken (2)						
Additional Action Taken (3)						
G1 Resources *						
<input checked="" type="checkbox"/> Check this box and skip this section if an Apparatus or Personnel form is used.						
Apparatus Personnel						
Suppression 0002 0006						
EMS 0001						
Other						
<input type="checkbox"/> Check box if resource counts include aid received resources.						
G2 Estimated Dollar Losses & Values						
LOSSES: Required for all fires if known. Optional for non fires.						
Property \$ 000,000						
Contents \$ 000,000						
PRE-INCIDENT VALUE: Optional						
Property \$ 000,000						
Contents \$ 000,000						
H1* Casualties						
None						
Deaths Injuries						
Fire						
Service						
Civilian						
H2 Detector						
Required for Confined Fires.						
1 <input type="checkbox"/> Detector: alerted occupants						
2 <input type="checkbox"/> Detector: did not alert them						
U <input type="checkbox"/> Unknown						
H3 Hazardous Materials Release						
N <input type="checkbox"/> None						
1 <input type="checkbox"/> Natural Gas: slow leak, no evaluation or HazMat actions						
2 <input type="checkbox"/> Propane gas: <21 lb. tank (as in home BBQ grill)						
3 <input type="checkbox"/> Gasoline: vehicle fuel tank or portable container						
4 <input type="checkbox"/> Kerosene: fuel burning equipment or portable storage						
5 <input type="checkbox"/> Diesel fuel/fuel oil: vehicle fuel tank or portable						
6 <input type="checkbox"/> Household solvents: home/office spill, cleanup only						
7 <input type="checkbox"/> Motor oil: from engine or portable container						
8 <input type="checkbox"/> Paint: from paint cans totaling < 55 gallons						
0 <input type="checkbox"/> Other: Special HazMat actions required or spill > 55gal.. Please complete the HazMat form						
I Mixed Use Property						
NN <input type="checkbox"/> Not Mixed						
10 <input type="checkbox"/> Assembly use						
20 <input type="checkbox"/> Education use						
30 <input type="checkbox"/> Medical use						
40 <input type="checkbox"/> Residential use						
50 <input type="checkbox"/> Row of stores						
53 <input type="checkbox"/> Enclosed mall						
58 <input type="checkbox"/> Bus. & Residential						
59 <input type="checkbox"/> Office use						
60 <input type="checkbox"/> Industrial use						
63 <input type="checkbox"/> Military use						
65 <input type="checkbox"/> Farm use						
00 <input type="checkbox"/> Other mixed use						
J Property Use*						
Structures						
31 <input type="checkbox"/> Church, place of worship						
61 <input type="checkbox"/> Restaurant or cafeteria						
62 <input type="checkbox"/> Bar/Tavern or nightclub						
13 <input type="checkbox"/> Elementary school or kindergarten						
15 <input type="checkbox"/> High school or junior high						
41 <input type="checkbox"/> College, adult education						
11 <input type="checkbox"/> Care facility for the aged						
31 <input type="checkbox"/> Hospital						
Outside						
24 <input type="checkbox"/> Playground or park						
55 <input type="checkbox"/> Crops or orchard						
69 <input type="checkbox"/> Forest (timberland)						
07 <input type="checkbox"/> Outdoor storage area						
1 <input type="checkbox"/> Dump or sanitary landfill						
3 <input type="checkbox"/> Open land or field						
341 <input type="checkbox"/> Clinic, clinic type infirmary						
342 <input type="checkbox"/> Doctor/dentist office						
361 <input type="checkbox"/> Prison or jail, not juvenile						
419 <input type="checkbox"/> 1-or 2-family dwelling						
429 <input type="checkbox"/> Multi-family dwelling						
439 <input type="checkbox"/> Rooming/boarding house						
449 <input type="checkbox"/> Commercial hotel or motel						
459 <input type="checkbox"/> Residential, board and care						
464 <input type="checkbox"/> Dormitory/barracks						
519 <input type="checkbox"/> Food and beverage sales						
539 <input type="checkbox"/> Household goods, sales, repairs						
579 <input type="checkbox"/> Motor vehicle/boat sales/repair						
571 <input type="checkbox"/> Gas or service station						
599 <input type="checkbox"/> Business office						
615 <input type="checkbox"/> Electric generating plant						
629 <input type="checkbox"/> Laboratory/science lab						
700 <input type="checkbox"/> Manufacturing plant						
819 <input type="checkbox"/> Livestock/poultry storage (barn)						
882 <input type="checkbox"/> Non-residential parking garage						
891 <input checked="" type="checkbox"/> Warehouse						
936 <input type="checkbox"/> Vacant lot						
938 <input type="checkbox"/> Graded/care for plot of land						
946 <input type="checkbox"/> Lake, river, stream						
951 <input type="checkbox"/> Railroad right of way						
960 <input type="checkbox"/> Other street						
961 <input type="checkbox"/> Highway/divided highway						
962 <input type="checkbox"/> Residential street/driveway						
981 <input type="checkbox"/> Construction site						
984 <input type="checkbox"/> Industrial plant yard						
Lookup and enter a Property Use code only if you have NOT checked a Property Use box:						
Property Use 891						
Warehouse						

NFIRS-1 Revision 03/11/99

☐ More people involved? Check this box and attach Supplemental Forms (NFIRS-1S) as necessary

L Remarks

Local Option

On 12/18/2008 at 14:10:33 dispatched To 2420 S Gulfway DR /PORT ARTHUR, TX 77640. The location is a Warehouse. The incident was determined to be a(n) EMS call, excluding vehicle accident with injury.

4 : 19:20 arrived on scene.

The following actions were performed on scene:

Extricate, disentangle

Provide advanced life support (ALS)

Units responding were:

Init E2 responded.

Authorization

Check if <input checked="" type="checkbox"/> 29450 Member making report ID	PEAKE, THOMAS W Signature	CA Position or rank	Assignment	12 Month	18 Day	2008 Year
---	------------------------------	------------------------	------------	-------------	-----------	--------------

NH715	TX	MM 12	DD 18	YYYY 2008	2	08-0012882	000	Complete Narrative
FDID *	State *	Incident Date *		Station	Incident Number *	Exposure *		

Narrative :

<Logs>> 14:11:03 00005150 : sc enrte ; 14:14:36 00005062 : PER 5014 CALL BACK ADVISED FULL
 . EST/E2 EMS ADVISED ; 14:19:30 00005062 : E2 1410 1419 ; 14:19:54 00005062 : RETONE ;
 14:20:17 00005062 : W2 REQUEST R1 ASSIST ; 14:21:44 00005062 : TURN AT
 TALON'S/ENVIRONMENTAL//RD BEFORE IC BRIDGE ST COM ON RIGHT DOWN DIRT RD ; 14:28:08 00005145 :
 e2-heavy set man ontop of the tanker ; 14:30:06 00005145 : bringing him down now ; 14:33:23
 00005145 : hrl has a firefighter riding with ems to hospital enroute to pick him up ///st
 mary ; 14:45:56 00005145 : e2 to st marys to give information ; 14:56:51 00005145 : e2 at st
 mary ; 15:03:45 00005145 : told unit 3 to call the chief the hospital is treating this as a
 hazmat incident ; 15:19:40 00005145 : e2 leaving st mary going back to scene ; 15:31:04
 00005145 : hrl toned out of service ; 15:32:18 00005145 : e2 back on the csene ; 16:04:51
 00005145 : msds is non toxic ; 16:07:20 00005145 : e2 back in service going to station ;
 16:14:27 00005145 : ernout to st mary hospital ; 16:23:31 00005145 : at st mary again ;
 16:45:03 00005145 : Incident Closed ;

On 12/18/2008 at 14:10:33 dispatched To 2420 S Gulfway DR /PORT ARTHUR, TX 77640. The
 location is a Warehouse. The incident was determined to be a(n) EMS call, excluding vehicle
 accident with injury.

14:19:20 arrived on scene.

The following actions were performed on scene:

Extricate, disentangle

Provide advanced life support (ALS)

Units responding were:

U E2 responded.

Unit HR1 responded.

Unit SC63 responded.

16:45:03 all units back in service.

Dispatched to difficulty breathing. While enroute the call was upgraded to a full arrest.
 AOSTF patient on top of a tanker. Company employees had begun cpr. Fire engineer Barideaux and
 fire fighter Delacerda climbed on top of tanker and took over cpr. Captain Peake directed
 resources needed for the retrieval of patient from atop the tanker. Company employee made
 mention that the patient may have been exposed to toxic fumes. FD backboarded the patient and
 lowered the patient to the ground and onto waiting Stat Care ems stretcher. Fire fighter
 Thibedeaux rode with patient to SMH to assist ems.

HR1 went to SMH while E2 gathered patient info. E2 went to SMH and found hospital doing a
 hazmat wash on patient. E2 returned to scene to take drager readings from top of tanker.
 Drager read 1 ppm of H2S. Obtained msds sheet on tanker contents. Msds showed chemical to be
 sulfurized isobutylene. Toxicological Data showed all areas to be: Practically non-toxic. E2
 returned to SMH msds sheet for distribution to the hospital and JP. E2 returned to service.

HR-1 Supplement:

HR-1 responded to assist. FF Thibodeaux rode in with EMS to St. Mary. Upon arrival the EMS
 st complained of a strong odor from the pt. and his clothing. Hospital staff removed
 clothing and placed into a biohazard bag. FD placed a meter in the bag. The meter detected
 no lel, no H2S, no CO, and indicated an O2 % of 20.9. The deceased was placed in a secure
 room outside of the ER. FF Thibodeaux was provided with scrubs from the hospital and was

NH 715

FDID

*

TX

State *

MM

DD

YYYY

12

18

2008

Incident Date *

2

Station

08-0012882

Incident Number *

000

Exposure *

Complete
Narrative

Narrative:

able to remove her clothing and shower. Capt. Achord and FE Richard donned class B suits and airpacks and assisted in placing the deceased into two body bags for transfer to the morgue. Both the class B suits and the pt.'s clothing went with the decedant to the morgue.

A. NH715		TX 12 18 2008		2		08-0012882		000		<input type="checkbox"/> Delete <input type="checkbox"/> Change		NFIRS - 10 Personnel	
FDID *		State *		Incident Date *		Station		Incident Number *		Exposure *			

B Apparatus or Resource	Date and Times	Sent	Number of People	Use	Actions Taken
Use codes listed below	Check if same as alarm date Month Day Year Hours/mins	<input checked="" type="checkbox"/>		Check ONE box for each apparatus to indicate its main use at the incident. <input checked="" type="checkbox"/> Suppression <input type="checkbox"/> EMS <input type="checkbox"/> Other	List up to 4 actions for each apparatus and each personnel.

1	ID E2	Dispatch <input checked="" type="checkbox"/> 12 18 2008 14:10	Arrival <input checked="" type="checkbox"/> 12 18 2008 14:19	Clear <input checked="" type="checkbox"/> 12 18 2008 16:45	Sent <input checked="" type="checkbox"/>	Number 3	<input checked="" type="checkbox"/> Suppression <input type="checkbox"/> EMS <input type="checkbox"/> Other	<div style="border: 1px solid black; width: 20px; height: 20px; display: inline-block;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; display: inline-block;"></div>	
Type 11									

Personnel ID	Name	Rank or Grade	Attend <input checked="" type="checkbox"/>	Action Taken	Action Taken	Action Taken	Action Taken
29450	PEAKE, THOMAS	CA	X				
19817	DELACERDA, TRAVIS	FF	X				
10785	BARIDEAUX, THADDEUS	FF	X				

2	ID HR1	Dispatch <input checked="" type="checkbox"/> 12 18 2008 14:10	Arrival <input checked="" type="checkbox"/> 12 18 2008 14:30	Clear <input checked="" type="checkbox"/> 12 18 2008 16:45	Sent <input checked="" type="checkbox"/>	Number 3	<input checked="" type="checkbox"/> Suppression <input type="checkbox"/> EMS <input type="checkbox"/> Other	<div style="border: 1px solid black; width: 20px; height: 20px; display: inline-block;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; display: inline-block;"></div>	
Type 70									

Personnel ID	Name	Rank or Grade	Attend <input checked="" type="checkbox"/>	Action Taken	Action Taken	Action Taken	Action Taken
5	ACHORD, JON	CA	X				
0005	RICHARD, BRANDAN	FE	X				
0725	THIBODEAUX, ANGELL	FF	X				

3	ID SC63	Dispatch <input checked="" type="checkbox"/> 12 18 2008 14:10	Arrival <input checked="" type="checkbox"/> 12 18 2008 14:22	Clear <input checked="" type="checkbox"/> 12 18 2008 16:45	Sent <input checked="" type="checkbox"/>	Number 0	<input type="checkbox"/> Suppression <input checked="" type="checkbox"/> EMS <input type="checkbox"/> Other	<div style="border: 1px solid black; width: 20px; height: 20px; display: inline-block;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; display: inline-block;"></div>	
Type 76									

Personnel ID	Name	Rank or Grade	Attend <input checked="" type="checkbox"/>	Action Taken	Action Taken	Action Taken	Action Taken



Port Arthur Fire Department Haz-Mat Sampling Tanker Unit 267 (Close-up)

See Port Arthur Fire Department Incident Report # 08-0012882 Page 3 HR-1 Supplement

Indicating Draeger Read of 1 ppm of H₂S (Incident Report Attached)

Attachment

3

Air Sampling Report U.S. Department of Labor Occupational Safety and Health Administration.

Page 1 of 2

1. Reporting ID 626700	2. Inspection Number 311960975	3. Sampling Number 401326608
4. Establishment Name PORT ARTHUR CHEMICAL & ENVIRONMENTAL SERVICES		
5. CSHO ID V9900	6. Sampling Date 18 DEC 2008	7. Shipping Date 07 JAN 2009
8. Date Result Received		
9. Job Title Not applicable		10. Occupational Code
11. Number Exposed		
12. Frequency of Exposure		

Exposure Summary

14. Substance Code	15. Rqstd	16. Expt Type	17. Exp Type	18. Exp Level	19. Units	20. PEL	21. Adj	22. Severity	23. Citation information						
									No Cit	FTA	Over Exp	Eng	PPE	Trng	Med

TWA calculated on actual time sampled

The I. H. is free to make changes on the Form 918 and submit them directly to IMIS

26. Analyst's Comments GC/MS ANALYSIS (Analytical Method)

Air from the closed bag was drawn through a Carbotrap 300 tube for volatiles analysis. Swatches of cloth were cut from sweat pants (2), shirt (3), and jeans (2) and extracted in carbon disulfide for GC/MS analysis. Draeger tube analysis for hydrogen sulfide and mercaptans was conducted. Swatches from shirt and jeans were extracted in water, which was tested with pH strips.

D-55438: HazMat suit was not analyzed.

D-55439: Carbotrap tube: Numerous disulfide compounds including CS₂, dimethyl disulfide, diethyl disulfide, dimethyl trisulfide, diethyl trisulfide, and others. Also, acetone, isopropanol, ethyl benzene, xylene, and 2-ethyl hexanol. Sweat pants: Dimethyl disulfide, fatty acids, glycerin, and long-chain alcohols and amines. Shirt: Elemental sulfur, phthalate and adipate esters, phenol and alkyl phenols, nonyl phenol isomers, alkyl cyclopentadienes, fatty acids, alcohols and amines, dimethyl disulfide, benzyl alcohol, and detergent compounds. Jeans: Elemental sulfur, phenol and alkyl phenols, alkyl cyclopentadienes, disulfide compounds, phthalate and adipate esters, and detergent compounds. Draeger tubes produced no evidence of hydrogen sulfide or mercaptans. pH on cloth swatches tested was not elevated, indicating absence of caustics such as NaOH.

27. Chain of Custody

a. Seals Intact	Init.	Date
b. Rec'd In Lab	DJK	14 JAN 2009
c. Rec'd by Anal.	PH	14 JAN 2009
d. Anal. Completed	PH	21 JAN 2009
e. Calc. Checked	MEE	21 JAN 2009
f. Supr. OK'd	WP	22 JAN 2009

28 Submission number

1975-1

1975-2

29 Lab Sample No. (Minutes/Type)

D55438

D55439

B

B

30. Analyte

31. Analysis Results/ 32. Sample included in calculations of

M125 Qualitative Mass-Spec Analysis

NA

BULK

Sampling Number: 401326608

EPAHQ041000660

Attachment

4

Air Sampling Report U.S. Department of Labor Occupational Safety and Health Administration.

Page 1 of 2

1. Reporting ID 626700	2. Inspection Number 311960975	3. Sampling Number 401326616
4. Establishment Name PORT ARTHUR CHEMICAL & ENVIRONMENTAL SERVICES		
5. CSHO ID V9900	6. Sampling Date 18 DEC 2008	7. Shipping Date 07 JAN 2009
8. Date Result Received		
9. Job Title Not applicable		10. Occupational Code
11. Number Exposed		
12. Frequency of Exposure		

Exposure Summary

14. Substance Code	15. Rqstd	16. Smpl Type	17. Exp Type	18. Exp Level	19. Units	20. PEL	21. Adj	22. Severity	23. Citation information							
									No Cit	FIA	Over Exp	Eng	PPE	Trng	Med	OTH

TWA calculated on actual time sampled

The I. H. is free to make changes on the Form 91B and submit them directly to IMIS

26. Analyt's Comments (Analytical Method) HISTORICAL GC/MS

A portion of bulk oil was placed in carbon disulfide for analysis by GC/mass spectrometry. Testing for pH was done by placing a portion of oil in water, then testing the water with pH indicator strips. Testing for H₂S and SO₂ in bottle headspace was done using detector tubes.

D-55599: Most abundant organic analytes were phenol, cresols and other alkyl phenols. Also found were numerous sulfides, disulfides, trisulfides, and tetrasulfides, as well as toluene, xylene, and elemental sulfur. Indicator strips gave an approximate pH of 6. H₂S and SO₂ were not detected in headspace over the oil.

28 Submission number 1975-3

29 Lab Sample No. D55599 (Minutes/Type) B

27. Chain of Custody a. Seals Intact

Init. Date Y

b. Rec'd In Lab DJK 21 JAN 2009

c. Rec'd by Anal. PH 22 JAN 2009

d. Anal. Completed PH 23 JAN 2009

e. Calc. Checked MEE 23 JAN 2009

f. Supr. OK'd WF 26 JAN 2009

30. Analyte 31. Analysis Results/ 32. Sample included in calculations of

M125 Qualitative Mass-Spec Analysis BULK

Because the results for air samples are used in further calculations, the number of figures reported in section 31 may not reflect the actual precision of the analysis. Calculated confidence limits (UCL & LCL) should be rounded to no more than three significant figures. The precision of analysis for wipe samples and for bulk material samples justify rounding results to no more than two significant figures.

The Sampling and Analytical Error (SAE) is the current value for the specific chemical(s) and should be used for the calculations. Blank values are reported for reference only. Appropriate blank corrections have been applied to the samples by the Salt Lake Technical Center. Blank results are less than the reporting limit(s) unless otherwise noted.

33. Analyte Code SAE Value M125

L	MILLIGRAMS PER LITER (URINE)	D	MICROGRAMS PER DECILITER (BLOOD)
C	PICO CURIES PER LITER (RADON GAS)	P	PARTS PER MILLION
F	FIBERS PER CUBIC CENTIMETER	X	MICROGRAMS
M	MILLIGRAMS PER CUBIC METER	%	PERCENT

pling Number: 401326616

Attachment

5

Hydrogen Sulfide Poisoning: Clarification of Some Controversial Issues

Thomas H. Milby, MD,* and Randall C. Baselt, PhD¹

Background *Hydrogen sulfide is a toxic gas about which much has been written. We discuss here several issues we believe would benefit from further clarification.*

Conclusions *We conclude that: 1) Certain neurotoxic effects of exposure are probably due to a direct toxic effect on the brain, while others are almost certainly a result of hypoxia secondary to H₂S-induced respiratory insufficiency; 2) pulmonary edema is a common consequence of poisoning and there is suggestive evidence of hyperactive airway responses in some individuals following brief H₂S-induced unconsciousness (knockdown); 3) criteria for acceptable community levels are very different than those governing occupational standards; 4) urinary thiosulfate determinations can be useful for monitoring occupational exposure; and 5) determination of sulfide ion concentrations in blood or major organs can be useful in corroborating a diagnosis of fatal H₂S toxicity, but there are many pitfalls in collecting, storing, and analyzing tissue and fluid samples. Am. J. Ind. Med. 35:192-195, 1999. © 1999 Wiley-Liss, Inc.*

KEY WORDS: *hydrogen sulfide; neurotoxic effects; pulmonary edema; urinary thiosulfate; blood sulfide.*

INTRODUCTION

There have been several reviews of the toxicity of hydrogen sulfide to humans published in the last several decades [Milby, 1962; NRC, 1979; Beauchamp et al., 1984; Reiffenstein et al., 1992; EPA, 1993]. In the view of the authors, the majority of the data presented in these reviews continues to be valid, but some issues deserve further clarification. In this short communication, we consider the neurotoxic effects of acute exposure, effects on the lungs, community exposure issues, and diagnosis of poisoning utilizing urine, blood, and tissue analyses.

NEUROTOXIC EFFECTS

The above-cited reviews are generally consistent in the view that the most dramatic potential consequences of hydrogen sulfide exposure occur at high concentrations. At

750–1,000 ppm, inhalation of hydrogen sulfide causes abrupt physical collapse. If exposure is promptly terminated, many cases of collapse are followed by rapid and complete recovery. However, in some instances, presumably where exposure is more pronounced or prolonged, sudden collapse may give way to rapidly fatal respiratory paralysis [Milby, 1962; EPA, 1993; Guidotti, 1994].

Certain transitory neurotoxic effects associated with exposure to hydrogen sulfide such as dizziness, incoordination, and headache are probably due to the direct toxic effect of hydrogen sulfide on the brain: these effects appear far too quickly to be attributed to hypoxia. A phenomenon referred to as “knockdown” has been reported in oil field workers and others to describe sudden, brief loss of consciousness followed by immediate full recovery after short-lived exposure to very high concentrations of hydrogen sulfide (e.g., 750–1,000 ppm) [Guidotti, 1994; Aves, 1929; Smith and Gosselin, 1979]. Knockdown is likely a consequence of a direct toxic effect of hydrogen sulfide on the brain. This direct effect is believed to be due to the intracellular inhibition of cytochrome oxidase by sulfide ion, preventing utilization of oxygen [Nicholls, 1975].

Most victims of acute hydrogen sulfide poisoning who recover do so promptly and completely [Milby, 1962; NRC,

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Accepted 11 September 1998

Case Report

Two fatalities by hydrogen sulfide poisoning: Variation
of pathological and toxicological findings

Mihoko Ago *, Kazutoshi Ago, Mamoru Ogata

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Received 28 July 2007; received in revised form 26 November 2007; accepted 29 November 2007

Available online 8 February 2008

Abstract

We report the simultaneous deaths of two individuals by inhalation of hydrogen sulfide (H_2S), produced either by the putrefaction of a large quantity of sweet corn or by heavy oil that flowed out of the fuel tank of a large stranded cargo vessel. Ten workers went into a water ballast tank of the vessel to remove remaining heavy oil and suddenly felt unwell. Two of the ten workers (patient A, a male in his early thirties, and patient B, a male in his early sixties) died. Autopsies of the two patients revealed a partial green discoloration of the skin and pulmonary edema. Toxicological analysis revealed high levels of thiosulfate in the blood (0.089 mmol/L in patient A and 0.142 mmol/L in patient B). From these findings, we concluded that the cause of death in both patients was H_2S poisoning. In addition, the autopsy of patient A revealed petechiae of the palpebral conjunctiva and the mucous membrane of the mouth and erosion of the respiratory tract. The autopsy of patient B failed to reveal these observations. We presumed that patient B may have been exposed to higher H_2S levels, and that the circulation and respiration of patient B may have arrested faster than patient A. Thiosulfate levels in the blood may reflect the levels of H_2S exposure. This case suggests that the pathological and toxicological findings of H_2S poisoning vary from case to case.

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Keywords: Hydrogen sulfide poisoning; Thiosulfate; Pulmonary edema; Autopsy

1. Introduction

Hydrogen sulfide (H_2S) is a colorless irritant gas that is inflammable and water-soluble. H_2S has a specific gravity of 1.19 (air = 1.00) and the characteristic odor of rotten eggs [1]. H_2S is poisonous, and accidents may occur on exposure to natural gas, volcanic gas, and industrial waste. Accidents have been reported in sewage disposal facilities [2–5] and chemical processing plants [6–8], and with the ingestion of sulfur products [9,10]. H_2S is also produced naturally by the putrefaction of organic compounds. The gas produced by this process is unstable and is rapidly metabolized as thiosulfate and sulfate by hepatic oxidation, therefore, quantifying the original substances is difficult [11,12]. Fatalities by H_2S poisoning are encountered frequently in the forensic

practices. There is a large amount of sulfate in the blood and urine of healthy people, whereas the thiosulfate content is very low [11,13]. In addition, thiosulfate is a major metabolite of H_2S [11]. For these reasons, thiosulfate has been reported to be a useful indicator for H_2S exposure [2–4,11,14–17]. Here, we report a case of two patients who died almost simultaneously due to H_2S poisoning. In this case, the pathological and toxicological findings were different between the two patients. We compare the findings and discuss the variable biomechanisms of H_2S poisoning.

2. Case report

A large-sized cargo vessel, approximately 36,000 tons, which was in transit with a large quantity of sweet corn, was destroyed by breaking in two due to stranding in a gulf under a heavy typhoon. The stranded cargo vessel was covered widely with a large amount of heavy oil that issued from

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E-mail address: agomiho@m.kufm.kagoshima-u.ac.jp (M. Ago).

the fuel tank. Accordingly, an operation was performed to eliminate the heavy oil inside and around the cargo vessel. At approximately one month after the accident, ten workers, including our two patients entered a water ballast tank to recover the remaining heavy oil. At 11:15 a.m., all of the workers suddenly felt unwell. Eight workers escaped by themselves from the tank with clouded consciousness. At 11:58 a.m., rescue personnel equipped with gas masks found collapsed patient A (male in his early thirties) sitting on a sloped floor and leaning on a wall. At 11:59 a.m., they found collapsed patient B (male in his early sixties) lying prone on a sloped floor. His head was located on the upper side of the sloped floor. Although a small amount of black sludge had collected on the bottom of the sloped floor, the nose and mouth of both patients were not submerged in the sludge. Rescue personnel retrieved patient A from the tank at 0:04 p.m. and patient B at 0:16 p.m. The patients arrived at a hospital at 0:59 p.m. in a state of cardiopulmonary arrest. They were pronounced dead at 1:03 p.m. (patient A) and 1:04 p.m. (patient B), respectively. After using an electric fan to remove the harmful gas from the tank and about 4 h after the accident, the air concentration of H_2S , oxygen (O_2), and carbon monoxide (CO) at the scene were estimated to be 30 ppm, 20.8% and 355 ppm, respectively. Autopsies on patient A and B were performed at 20 and 24 h after death, respectively.

3. Autopsy findings

3.1. Patient A

Patient A was a male in his early thirties. He was 169 cm in height and 68 kg in weight. A slight greenish discolor-

ation presented on his anterior cervical region and precordia. A few black subcutaneous bleedings were observed on regions of back and upper and lower limbs. The palpebral conjunctiva and the mucous membrane of the mouth revealed marked hyperemia and a few petechiae. The ocular conjunctiva revealed marked hyperemia, but was free of petechiae. The heart weighed 330 g, and a large amount of black dark-red fluid blood was retained in the heart. The left and right lungs weighed 830 and 925 g, respectively, with marked swelling and congestion. There was a little dark brown-red mucous fluid mixed with the micro foam in the trachea and bronchia. The mucous membrane of the glottis, trachea and bronchia revealed extensive erosion and submucosal hemorrhage (Fig. 1A). Extensive erosion and submucous hemorrhages were seen in the entire inner membrane of the esophagus. Erosion was found in the posterior wall of the fundus ventriculi and the cardia of the lesser curvature of the stomach. The lumen of the small intestine revealed congestion and localized erosion. The liver and the spleen weighed 1800 and 120 g, respectively, and both organs revealed no remarkable changes except for congestion. The brain weighed 1480 g, and slight cerebral edema was noted. There were no remarkable findings in other organs except for congestion.

Histological examination revealed marked congestion and edema in both lungs. Marked congestion, erosion and submucosal hemorrhage, as well as edema of the tunica propria and tela submucosa were observed in the epiglottis, glottis vocalis (Fig. 2A), trachea and bronchia. Similar findings were observed in the esophagus and stomach. Severe necroses were noted in the tracheal and bronchial glands. No remarkable changes, except for congestion, were found in other organs including the liver.

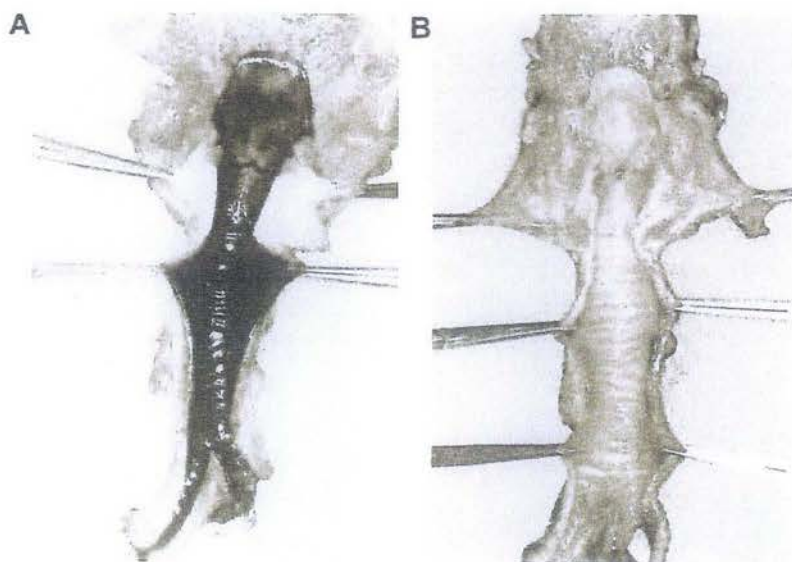


Fig. 1. The trachea of patient A (A) and B (B). The mucous of patient A reveals extensive erosion and the submucous bleeding, whereas the mucous of patient B reveals hyperemia, but is free of erosion.

Attachment

6

General Affidavit

STATE OF TEXAS

COUNTY OF Harris

BEFORE ME, the undersigned Notary, Juanita Thomas, on this
22 day of May, 2009, personally appeared Matt Bowman
known to me to be a credible person and of lawful age, who being by me duly
sworn, on his oath, deposes and says:

"My name is Matt Bowman. I am over 21 years of age. I was the President
on December 18, 2008, at the Port Arthur Chemical and Environmental Services,
LLC ("PACES") plant site at the time Joey Sutter passed away. I have personal
knowledge of the PACES operations. During the morning and afternoon of
December 18, 2008, Trailer 267 was not heated with steam or any other source of
heat. Steam was not available."

Matt Bowman
(Signature of Affiant)

Matt Bowman
(Printed Name of Affiant)

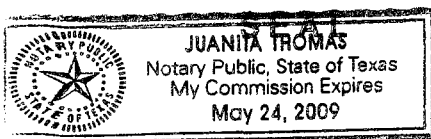
14115 North Hill Pointe
(Home Address)

Houston, TX 77044
(City, State & Zip)

STATE OF TEXAS

COUNTY OF Harris

Sworn to and subscribed before me on this 22 day of May, 2009,
by Matt Bowman.



Juanita Thomas
(Notary Public Signature)

Attachment

7

General Affidavit

STATE OF TEXAS

COUNTY OF Jefferson

BEFORE ME, the undersigned Notary, Patricia Grace Kruger, on this
3 day of March, 2009, personally appeared Suzie Mock
known to me to be a credible person and of lawful age, who being by me duly
sworn, on her oath, deposes and says:

My name is Suzie Mock. I am over 21 years of age. I was an employee on December 18, 2008 at the Port Arthur Chemical and Environmental Services, LLC ("PACES") plant site at the time Joey Sutter passed away. I have personal knowledge and experience with the situation during the incident involving Joey Sutter. During the morning and afternoon of December 18, 2008 my personal monitor for the H₂S did not sound an alarm warning. My personal H₂S Monitor Alarm was set at 10 ppm for H₂S on December 18, 2008.

Suzie Mock
(Signature of Affiant)

Suzie Mock
(Printed Name of Affiant)

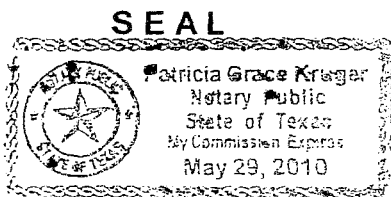
2121 Norma St Port Arthur, TX, 77640
(Address of Affiant, Line 1)

(Address of Affiant, Line 2)

STATE OF TEXAS

COUNTY OF Jefferson

Sworn to and subscribed before me on this 3rd day of March, 2009,
by _____.



Patricia Grace Kruger
(Notary Public Signature)

Attachment

8



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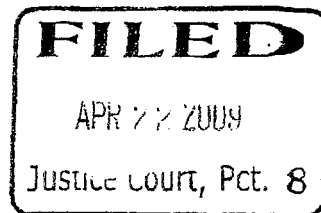
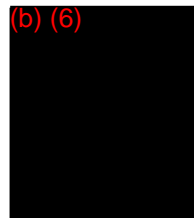
3701 Welsh Road, PO Box 433A, Willow Grove, PA 19090-0437
Phone: (215) 657-4900 Fax: (215) 657-2972
e-mail: nms@nmslabs.com
Robert A. Middleberg, PhD, DABFT, DABCC-TC, Laboratory Director

Toxicology Report

Report Issued 01/20/2009 17:00

TO: 10240
Southeast Texas Forensic Ctr.-Beaumont
Attn: Dr. Tommy Brown
5030 Highway 69 South, Ste.700
Beaumont, TX 77705

Patient Name
Patient ID
Chain
Age
Gender
Workorder
Page 1 of 2



Positive Findings:

Compound	Result	Units	Matrix Source
Creatinine	1959	mg/L	Urine
Thiosulfate	3.4	mcg/mL	Urine
Thiosulfate (Creatinine corrected)	1.7	mcg/g Creat	Urine

See Detailed Findings section for additional information

Specimens Received:

ID	Tube/Container	Volume/ Mass	Collection Date/Time	Matrix Source	Miscellaneous Information
001	Gray Top Tube	10.75 mL	Not Given	Blood	
002	Red Top Tube	9.75 mL	Not Given	Urine	

All sample volumes/weights are approximations.

Specimens received on 01/15/2009.

Testing Requested:

Analysis Code	Description
4235B	Sulfhemoglobin, Blood
4472U	Thiosulfate, Urine



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Workorder 09009238

Chain 10973749

Patient ID (b) (6)

Page 2 of 2

Detailed Findings:

Analysis and Comments	Result	Units	Rpt. Limit	Specimen Source	Analysis By
Creatinine	1959	mg/L	5.0	002 - Urine	Colorimetry
Thiosulfate	3.4	mcg/mL	1.0	002 - Urine	IC
Thiosulfate (Creatinine corrected)	1.7	mcg/g Creat	0.51	002 - Urine	IC

Other than the above findings, examination of the specimen(s) submitted did not reveal any positive findings of toxicological significance by procedures outlined in the accompanying Analysis Summary.

Reference Comments:

1. Creatinine - Urine:

ACGIH Normal range in adults:
300 - 3400 mg/L (mean: 1000 mg/L)
[0.3 - 3.4 g/L (mean: 1 g/L)]
1000 - 1600 mg/day (1.0 - 1.6 g/day).

2. Thiosulfate - Urine:

Thiosulfate is a byproduct of the metabolic degradation of cysteine and methionine. As a result, normal endogenous levels of thiosulfate can be found in urine. However, whether normal levels of thiosulfate can be found in serum, plasma or whole blood is debatable. Certain environmental exposures, dietary conditions and pathological states can give rise to increased urinary levels of thiosulfate as well as significant concentrations in serum, plasma and/or whole blood. Hydrogen sulfide exposure is a common source of increased urinary and serum levels of thiosulfate.

Reported endogenous thiosulfate levels in urine range from 1 - 5 mcg/mL.

3. Thiosulfate (Creatinine corrected) - Urine:

Normal: Up to 8 mcg/g Creatinine.
15 hours after a 60 minute exposure to air
concentrations of 60 micromoles/L Hydrogen Sulfide
resulted in urine concentrations up to 60 mcg/g
Creatinine.

This analysis was performed under chain of custody after receipt at NMS Labs. The chain of custody documentation is on file at NMS Labs.

Unless alternate arrangements are made by you, the remainder of the submitted specimens will be discarded six (6) weeks from the date of this report, and generated data will be discarded five (5) years from the date of this report.

Analysis Summary:

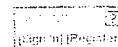
Acodc 4235B - Sulfhemoglobin, Blood

- Analysis by Spectrophotometry (SP) for: Sulfhemoglobin

Acodc 4472U - Thiosulfate, Urine

- Analysis by Colorimetry (C) for: Creatinine

- Analysis by Ion Chromatography (IC) for: Thiosulfate, Thiosulfate (Creatinine corrected)

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All: 1 Review: 0

1: Ig Sanita Pubbl. 2004 Jul-Aug;60(4):201-17.

Links

[Measurement of sulfhemoglobin (S-Hb) blood levels to determine individual hydrogen sulfide exposure in thermal baths in Italy]

[Article in Italian]

Ensebella F, Spirito A, Duprè S, Leoni V, Schininà ME, Strinati F, Amiconi G.

Dipartimento di Scienze di Sanità Pubblica, Università di Roma La Sapienza.

Significant exposure to hydrogen sulfide may occur in workers at sulphureous thermal baths. Work-related exposure to hydrogen sulfide may be shown by measuring sulfhemoglobin (S-Hb) blood levels. In this study we measured S-Hb blood levels in two groups of workers at two different thermal baths and compared these with hydrogen sulfide concentrations in the air of the two work environments. Our results show that blood S-Hb levels can be considered a reliable measure of individual exposure to hydrogen sulfide.

PMID: 15583709 [PubMed - indexed for MEDLINE]

Related articles

Review Hydrogen sulfide (H₂S) and sour gas effects on the eye. A historical perspective. 2006]

[Effect of sulfide-hydrogen sulfide baths on sulfhydryl groups (SH) in the serum of patients]

[Mechanisms of sulfhemoglobinemia] [Folia Med Cracov. 1974]

Monitoring risks in association with exposure levels among wastewater treatment plant. 2007]

Review Twenty-foot fall averts fatality from massive hydrogen sulfide exposures. Med. 2001]

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Analysis Code 4235B

Test Name Sulfhemoglobin, Blood

Test Includes Sulfhemoglobin [SP]

Compound Synonym(s) SHb

Purpose Diagnostic Monitoring

Category Biological Marker (Exposure)

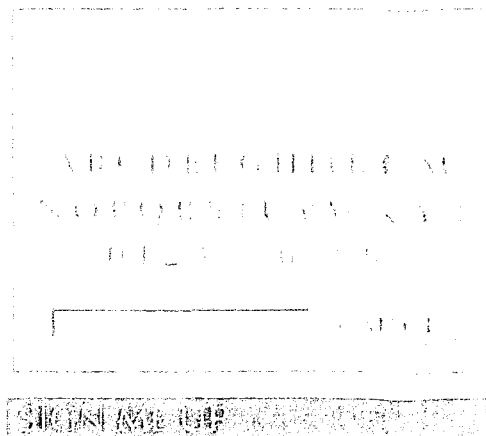
Method(s) Spectrophotometry (SP)

Specimen Requirements 1 mL EDTA Blood (lavender top tube)

Special Handling Collect Blood during or at end of shift. Chill and ship with cold pack. DO NOT FREEZE!

Day(s) Test Set-up [SP] Tuesday Thursday 1 day

Suggested CPT Code [SP] 83060



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Analysis Code 4472SP

Test Name Thiosulfate, Serum/Plasma

Test Includes Thiosulfate [IC]

Purpose Exposure Monitoring

Category Environmental/Occupation Toxin

Method(s) Ion Chromatography (IC)

Specimen Requirements 3 mL Serum or Plasma

Transport Temperature Refrigerated

Specimen Container Lavender top tube (EDTA)

Special Handling Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.

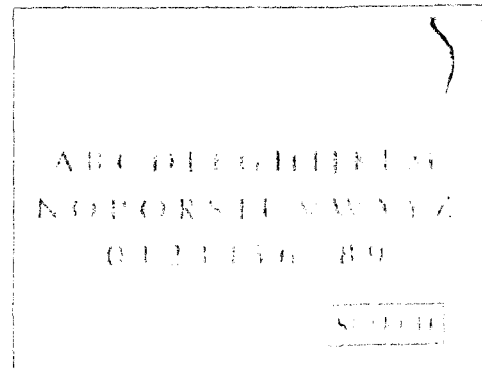
Light Protection Not Required

Stability Room Temperature: 3 day(s) Refrigerated:
9 day(s) Frozen (-20 °C): 1 month(s)

Rejection Criteria Received Room Temperature. Polymer gel
separation tube (SST or PST).

Day(s) Test Set-up [IC] Monday-Sunday 7 days

Suggested CPT Code [IC] 82491



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eAssist User Manual

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AcadDraw



Test Inquiry

FOLLOW UP

CALLER:

Clark

FOLLOW UP

Submit

Show Comments

REASONS: Hold Ctrl to select more. (2)

View Results
Archive Report
Billing Information

Test Number Inquiry

Test No.

846083

Account No.

Lab Code

Test Name Inquiry

Test Name

THIOSU

Referral Inquiry

Inquiry Name

Labcorp Test No.

Referral Test No.

Referral Lab Code

Send Out Test

Send Out Lab Code Option

Send Out Test Name

Abbreviation Inquiry

Abbreviation

Clear All Fields

CUSTOMER REQUEST

LOGS

CALL DOCTOR

LOGOUT

Test Ranges

Test Info

Test List

Test Cost

Test Drug Info

Test Requirements

CPT Code

```

HLICTS-AL-----DESCRIPTION-----
:              NAME              : LABCORP# :
:-----
: Thiosulfate                    : 846063 :
:-----
: SPECIAL INSTRUCT.: Testing referred to National Medical Services
:                   NM#4472SF
: SPECIMEN TYPE...: Serum or plasma
: SPECIMEN VOLUME...: 3.0 mL
: MINIMUM VOLUME...: 1.4 mL
: SPEC CONTAINER...: Red-top tube or lavender-top (EDTA) tube
: SPECIMEN COLLECT.: Serum/plasma should be separated from cells within 2 hours
:                   of venipuncture. Send serum/plasma in a plastic transport
:                   tube.
: SPECIMEN STORAGE.: Refrigerate
:                   Stability: Refrigerate up to 9 days
:                   Frozen up to 1 month
: CAUSE FOR REJECT.: Gel-barrier tube or samples received rom temperature
: PRIMARY KEY(S)...: 01202
:                   01 Refrigerated          Serum Transfer Tube

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Heart Conditions

High Blood Pressure (Hypertension)

Hypertension, the medical term for high blood pressure, is known as "the silent killer." At least 73 million Americans have high blood pressure, and as many as 20 million of them do not even know they have the condition. If left untreated, high blood pressure greatly increases your risk for heart attack and stroke.

Your **heart** pumps blood through a network of arteries, veins, and capillaries. The moving blood pushes against the arterial walls, and this force is measured as blood pressure.

High blood pressure results from the tightening of very small arteries called arterioles. Arterioles regulate the blood flow through your body. As these arterioles tighten (or constrict), your heart has to work harder to pump blood through the smaller space, and the pressure inside the vessels grows.

Be heart-smart about high blood pressure.



- How does high blood pressure affect health?
- What are the causes?
- How is it diagnosed?
- How high is high?
- How is it treated?

Your Guide to Lowering High Blood Pressure

High blood pressure can affect your health in four main ways:

- **Hardening of the arteries.** Pressure inside your arteries can cause the muscles that line the walls of the arteries to thicken. Thickening causes the arteries to narrow. A **heart attack** or **stroke** can occur if a blood clot blocks blood flow to your heart or brain.
- **Enlarged heart.** High blood pressure increases the amount of work for your heart. Like any heavily exercised muscle in your body, your heart grows bigger. The bigger your heart is, the less able it is to maintain proper blood flow. As a result, you feel weak and tired and are not able to exercise or perform physical activities. Your heart has begun to fail. Without treatment, your **heart failure** will only get worse.
- **Kidney damage.** Prolonged high blood pressure can damage your kidneys if the arteries supplying your kidneys with blood are affected.
- **Eye damage.** If you have diabetes, high blood pressure can cause the tiny capillaries in the retina of your eye to bleed. This condition, called retinopathy, can lead to blindness.

What causes high blood pressure?

About 90% to 95% of all high blood pressure cases are what is called **primary**, or **essential hypertension**. That means the real cause of the high blood pressure is not known, but a number of factors are associated with the condition. You are at an increased risk of high blood pressure if you

- Have a family history of high blood pressure.
- Are African American. African Americans develop high blood pressure more often than whites, and it tends to happen earlier in life and be more severe.
- Are male. Women are at an increased risk after age 55.
- Are older than 60. Blood vessels become more brittle with age and are not as flexible.
- Face high levels of stress. In some studies, stress, anger, hostility, and other personality traits have been shown to lead to high blood pressure, but the findings have not always been consistent. Emotional factors most likely add to the risk of high blood pressure for people who also have other risk factors.
- Are overweight or obese.
- Use tobacco products. Smoking damages your blood vessels.
- Use oral contraceptives. Women who smoke and use oral contraceptives greatly increase their risk.
- Eat a diet high in saturated fat.
- Eat a diet high in salt (sodium).
- Drink more than a moderate amount of alcohol. Experts say that moderate intake is an average of one to two drinks per day for men and one drink per day for women. One drink is defined as 1½ fluid ounces (fl oz) of 80-proof spirits (such as bourbon, Scotch, vodka, gin, etc.), 1 fl oz of 100-proof spirits, 4 fl oz of wine, or 12 fl oz of beer.
- Are physically inactive.
- Have diabetes.

Researchers have also found a gene that appears to be linked to high blood pressure. If you have the gene, it does not mean that you or your children will develop high blood pressure. But it does mean that you are more likely to develop high blood pressure, so your blood pressure should be closely watched.

The remaining patients with high blood pressure have what is called **secondary hypertension**. Secondary hypertension means that the high blood pressure is the result of another condition or illness. Many cases of secondary hypertension are caused by kidney disorders. Other conditions that can cause secondary hypertension are

- Problems with the parathyroid gland.
- Acromegaly, which is a condition where the pituitary gland makes too much growth hormone.
- Tumors in the adrenal or pituitary glands.
- Reactions to medicines for other medical problems.
- Pregnancy.

What are the symptoms of high blood pressure?

Most people who have high blood pressure usually do not have symptoms. In some cases, people with high blood pressure may have a pounding feeling in their head or chest, a feeling of lightheadedness or dizziness, or other signs. If

there are no warning signs, people with high blood pressure may go years without knowing they have the condition.

How is high blood pressure diagnosed?

A visit to your doctor is the only way to find out if you have high blood pressure. You should have a general medical check-up that includes a review of your family's medical history. Your doctor will take several blood pressure readings using a device called a sphygmomanometer and run a few routine tests.

Your doctor may also use a device called an ophthalmoscope to look at the blood vessels in your eyes. Doctors can see if these vessels have thickened, narrowed, or burst, which may be a sign of high blood pressure. Your doctor will also use a stethoscope to listen to your heart and the sound of blood flowing through your arteries. In some cases, a chest x-ray and **electrocardiogram** may be needed.

Blood pressure readings

Blood pressure readings measure the two parts of blood pressure: **systolic and diastolic** pressures. Systolic pressure is the force of blood flow through an artery when the heart beats. Diastolic pressure is the force of blood flow within blood vessels when the heart rests between beats.



A blood pressure reading measures both the systolic and diastolic forces, with the systolic pressure listed first. The numbers show your pressure in units of millimeters of mercury (mm Hg)—how high the pressure inside your arteries would be able to raise a column of mercury. For example, a reading of 120/80 mm Hg means a systolic pressure of 120 mm Hg and diastolic pressure of 80 mm Hg.

Most doctors do not make a final diagnosis of high blood pressure until they measure your blood pressure several times (at least 2 blood pressure readings on 3 different days). Some doctors ask their patients to wear a portable machine that measures their blood pressure over the course of several days. This machine may help the doctor find out whether a patient has true high blood pressure or what is known as "white-coat hypertension." White-coat hypertension is a condition in which a patient's blood pressure rises during a visit to a doctor, but not at other times. Although doctors are not sure what causes white-coat hypertension, anxiety and stress probably play a role.

How often should blood pressure be checked?

Adults should have their blood pressure checked at least once a year. Many grocery or drug stores have blood pressure machines that you can use for free any time you visit the stores. Keep in mind, though, that these machines may not give you a correct reading.

Blood pressure monitors for use at home can be bought at drug stores, department stores, and other places. Again, these monitors may not always give you a correct reading. You should always compare your machine's reading

with a reading from your doctor's machine to make sure they are the same. Remember that any measurement above normal should prompt a visit to the doctor, who can then talk with you about the best course of action.

How high is high?

According to new guidelines released by the National Heart, Lung, and Blood Institute (NHLBI) in 2003, a reading below 120/80 mm Hg is now classified as normal blood pressure. Those with a blood pressure reading anywhere from 120/80 up to 139/89 (once thought to be normal) are now classified within a category called "prehypertension." The NHLBI says that about 45 million Americans fall within the prehypertension category, which puts them at twice the risk of developing high blood pressure later in life.

Blood Pressure Classification Chart

Category	Systolic (mm Hg)	Diastolic (mm Hg)
Normal	Lower than 120	Lower than 80
Prehypertension	120 - 139	80 - 89

Hypertension

Stage 1	140-159	90-99
Stage 2	160 or higher	100 or higher

Adapted from The Seventh Report on the joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure (JNC 7), NIH Publication No. 03-5233, May 2003

The classification chart is based on adults, aged 18 and older, who are not taking high blood pressure medicines and who are not acutely ill. If systolic and diastolic measurements fall into different categories, the higher category should be used to classify the person's blood pressure status.

How is high blood pressure treated?

The first course of action usually involves lifestyle changes, especially for people with prehypertension.

- Start eating a low-fat and low-salt diet.
- Lose weight, if you need to.
- Begin a regular exercise program.
- Learn to manage stress.
- If you smoke, quit.
- Drink alcohol in moderation, if at all. Remember that moderate intake is an average of one or two drinks per day for men and one drink per day for women.

Medicines are available if these changes do not help control your blood pressure within 3 to 6 months. Diuretics help rid your body of water and sodium. ACE inhibitors block the enzyme that raises your blood pressure. Other types of medicines— beta blockers, calcium channel blockers, and other vasodilators—work in different ways, but their overall effect is to help relax and widen your

blood vessels and reduce the pressure inside the vessel.

See also on this site:

- [Congestive Heart Failure](#)
- [Heart Attack Warning Signs](#)
- [Stroke](#)
- ["Recognizing Hypertension and its Symptoms in Children" \(presentation available in the Project Heart subsite\)](#)



[Does managing blood pressure have to be this hard?](#)

See on other sites:

Visit the National Heart, Lung, and Blood Institute:
[Your Guide to Lowering High Blood Pressure.](#)

[Download an HBP Wallet Card.](#)

[Browse the NHLBI's Keep the Beat: Heart-Healthy Recipe Book.](#)

MedlinePlus

www.nlm.nih.gov/medlineplus/highbloodpressure.html

High Blood Pressure

Updated February 2009

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If you need information about keeping your heart healthy, e-mail the
Heart Information Center or call 1-800-292-2221.
(Outside the U.S., call 1-832-355-6536.)

Texas Heart Institute Heart Information Center

Through this community outreach program, staff members of the Texas Heart Institute (THI) provide educational information related to the prevention, diagnosis, and treatment of cardiovascular disease. It is not the intention of THI to provide specific medical advice, but rather to provide users with information to better understand their health and their diagnosed disorders. Specific medical advice will not be provided and THI urges you to visit a qualified physician for diagnosis and for answers to your questions.

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Enlarged heart

By Mayo Clinic staff

Original Article:<http://www.mayoclinic.com/health/enlarged-heart/DS01129/DSECTION=causes>

Definition

Enlarged heart (cardiomegaly) isn't a disease, but rather a symptom of another condition.

The term "cardiomegaly" most commonly refers to an enlarged heart seen on chest X-ray before other tests are performed to diagnose the specific condition causing your enlarged heart. You may develop an enlarged heart temporarily because of a stress on your body, such as pregnancy, or because of a medical condition, such as the weakening of the heart muscle, coronary artery disease, heart valve problems or abnormal heart rhythms.

While having an enlarged heart may not always be preventable, it's usually treatable. Treatment for enlarged heart is aimed at correcting the underlying cause. Treatment for an enlarged heart can include medications, medical procedures or surgery.

Symptoms

In some people, an enlarged heart causes no signs or symptoms. Others may have these enlarged heart symptoms:

- Breathing difficulties
- Shortness of breath
- Dizziness
- Abnormal heart rhythm (arrhythmia)
- Swelling (edema)
- Cough

When to see a doctor

Enlarged heart is easier to treat when it's detected early, so talk to your doctor about any concerns you have about your heart health. If you don't have an enlarged heart, but are concerned about developing the condition, talk to your doctor about steps you can take to reduce your risk.

If you think you may have a problem with your heart based on new signs or symptoms you've been having, make an appointment to see your doctor.

Seek emergency medical care if you have any of these signs and symptoms, which may mean you're having a heart attack:

- Chest pain
- Shortness of breath
- Fainting

Causes

Sometimes, an enlarged heart develops for no apparent reason (idiopathic) but it can also be caused by a condition that can cause your heart to pump harder than usual. These conditions can include:

- **High blood pressure.** Having high blood pressure can make it so that your heart has to pump harder to deliver blood to the rest of your body, enlarging the muscle.
- **Heart valve disease.** Four valves within your heart keep blood flowing in the right direction. If the valves are damaged by such conditions as

rheumatic fever, a heart defect, infections (infectious endocarditis), connective tissue disorders, certain medications or radiation treatments for cancer, your heart may enlarge.

- **Weakness of the heart muscle (cardiomyopathy).** Cardiomyopathy is the thickening and stiffening of heart muscle. In early stages of cardiomyopathy, you may have no symptoms. As the condition worsens, your heart may enlarge to try to pump more blood to your body.
- **A heart condition you're born with (congenital heart defect).** Many types of congenital heart defects may lead to an enlarged heart, as defects can affect blood flow through the heart, forcing it to pump harder.
- **Abnormal heartbeat (arrhythmia).** If you have an arrhythmia, your heart may not pump blood as effectively as it would if your heart rhythm were normal. The extra work your heart has to do to pump blood to your body may cause it to enlarge.
- **High blood pressure in the artery connecting your heart and lungs (pulmonary hypertension).** If you have pulmonary hypertension, your heart may need to pump harder to move blood between your lungs and your heart. As a result, the right side of your heart may enlarge.
- **Low red blood cell count (anemia).** Anemia is a condition in which there aren't enough healthy red blood cells to carry adequate oxygen to your tissues. Left untreated, chronic anemia can lead to a rapid or irregular heartbeat. Your heart must pump more blood to make up for the lack of oxygen in the blood when you're anemic. Rarely, your heart can enlarge if you have anemia for a long time and you don't seek treatment.
- **Thyroid disorders.** Both an underactive thyroid gland (hypothyroidism) and an overactive thyroid gland (hyperthyroidism) can lead to heart problems, including an enlarged heart.
- **Excessive iron in the body (hemochromatosis).** Hemochromatosis is a disorder in which your body doesn't properly use iron, causing it to build up in various organs, including your heart muscle. This can cause an enlarged left ventricle due to weakening of the heart muscle.
- **Protein buildup in your heart (amyloidosis).** Amyloidosis is a condition in which abnormal proteins circulate in the blood and may be deposited in the heart, interfering with your heart's function. If amyloid builds up in your heart, it can cause it to enlarge.

Risk factors

You may have a greater risk of developing an enlarged heart if you have any of the following risk factors:

- **High blood pressure.** Having a blood pressure measurement higher than 140/90 millimeters of mercury puts you at an increased risk of developing an enlarged heart.
- **A family history of enlarged heart or cardiomyopathy.** If an immediate family member, such as a parent or sibling, has had an enlarged heart, you may be more susceptible to developing an enlarged heart.
- **Blocked arteries in your heart (coronary artery disease).** If you have coronary artery disease, fatty plaques in the arteries of your heart make it so blood can't easily flow through the vessels of your heart. Your heart has to pump harder to get an adequate amount of blood to the rest of your body, causing it to enlarge.
- **Congenital heart disease.** If you're born with a condition that affects the structure of your heart, you may be at risk for developing an enlarged heart, especially if your condition isn't treated.
- **Valvular heart disease.** The heart has four valves — the aortic, mitral, pulmonary and tricuspid valves — that open and close to direct blood flow through your heart. Valves may be damaged by a variety of conditions leading to narrowing (stenosis), leaking (regurgitation or insufficiency) or improper closing (prolapse). Any of these conditions may cause the heart to enlarge.

Complications

The risk of complications from an enlarged heart depends on the part of the heart that is enlarged and the underlying cause. One of most serious types of enlarged heart is an enlarged left ventricle leading to the possibility of heart failure.

- **Heart failure.** Heart failure occurs when your heart can't pump enough blood to meet your body's needs. Over time, the heart can no longer keep up with the normal demands placed on it. The heart muscle will weaken, and the ventricles stretch (dilate) to the point that the heart can't pump blood efficiently throughout your body.

Other complications of enlarged heart can include:

- **Blood clots.** Having an enlarged heart may make you more susceptible to forming small blood clots in the lining of your heart. If clots are pumped out of the heart and enter your circulatory system, they can block the blood flow to vital organs, including your heart and brain causing a heart attack or stroke. If clots develop on the right side of your heart, they may travel to your lungs, a dangerous condition called pulmonary embolism.
- **Heart murmur.** For people who have an enlarged heart, two of the heart's four valves — the mitral and tricuspid valves — may not close properly because they become dilated, leading to a backflow of blood. This flow creates sounds called heart murmurs. Heart murmurs are not necessarily harmful, but they should be monitored by your doctor.
- **Cardiac arrest and sudden death.** Some forms of enlarged heart can lead to disruptions in your heart's beating rhythm. Some of these heart rhythms are too slow to move your blood, and some are too fast to allow the heart to beat properly. In either case, these abnormal heart rhythms can result in fainting or, in some cases, cardiac arrest or sudden death.

Preparing for your appointment

If you think you may have an enlarged heart, or are worried about your heart disease risk because of a strong family history, make an appointment with your family doctor. If heart disease is found early, your treatment may be easier and more effective. Eventually, however, you may be referred to a heart specialist (cardiologist).

Because appointments can be brief, and because there's often a lot of ground to cover, it's a good idea to be prepared for your appointment. Here's some information to help you get ready for your appointment, and what to expect from your doctor.

What you can do

- **Be aware of any pre-appointment restrictions.** At the time you make the appointment, be sure to ask if there's anything you need to do in advance, such as restrict your diet. For a cholesterol test, for example, you may need to fast for a period of time beforehand.
- **Write down any symptoms you're experiencing,** including any that may seem unrelated to coronary artery disease.

- **Write down key personal information**, including a family history of heart disease, stroke, high blood pressure or diabetes, and any major stresses or recent life changes.
- **Make a list of all medications**, as well as any vitamins or supplements that you're taking.
- **Take a family member or friend along**, if possible. Sometimes it can be difficult to soak up all the information provided to you during an appointment. Someone who accompanies you may remember something that you missed or forgot.
- **Be prepared to discuss** your diet and exercise habits. If you don't already follow a diet or exercise routine, be ready to talk to your doctor about any challenges you might face in getting started.
- **Write down questions to ask** your doctor.

Your time with your doctor is limited, so preparing a list of questions will help you make the most of your time together. List your questions from most important to least important in case time runs out. For enlarged heart, some basic questions to ask your doctor include:

- What is likely causing my symptoms or condition?
- What are other possible causes for my symptoms or condition?
- What kinds of tests will I need?
- What is the best course of action?
- What foods should I eat or avoid?
- What's an appropriate level of physical activity?
- How often should I be screened for heart disease? For example, how often do I need a cholesterol test?
- What are the alternatives to the primary approach that you're suggesting?
- I have other health conditions. How can I best manage them together?
- Are there any restrictions that I need to follow?

- Should I see a specialist?
- Should my children be screened for this condition?
- Is there a generic alternative to the medicine you're prescribing me?
- Are there any brochures or other printed material that I can take home with me? What Web sites do you recommend visiting?

In addition to the questions that you've prepared to ask your doctor, don't hesitate to ask questions during your appointment at any time that you don't understand something.

What to expect from your doctor

Your doctor is likely to ask you a number of questions. Being ready to answer them may reserve time to go over any points you want to spend more time on. Your doctor may ask:

- When did you first begin experiencing symptoms?
- Have your symptoms been continuous, or occasional?
- How severe are your symptoms?
- What, if anything, seems to improve your symptoms?
- What, if anything, appears to worsen your symptoms?

Tests and diagnosis

If you have symptoms of a heart problem, your doctor will perform tests to determine if your heart is enlarged and to find out the underlying cause of your condition. In addition to a physical exam, these tests may include:

- **Chest X-ray.** X-ray images help your doctor see the condition of your lungs and heart. If your heart is enlarged it might first be detected by a chest X-ray, but other tests will usually be needed to find out the specific cause. Your doctor can also use an X-ray to diagnose conditions other than enlarged heart that may explain your signs and symptoms.
- **Electrocardiogram.** This test records the electrical activity of your heart through electrodes attached to your skin. Impulses are recorded as waves

and displayed on a monitor or printed on paper. This test helps your doctor diagnose heart rhythm problems and damage to your heart from a heart attack as well as give clues to other types of heart disease.

- **Echocardiogram.** An important test for diagnosing and monitoring an enlarged heart is the echocardiogram. An echocardiogram uses sound waves to produce a video image of your heart. In this test all of the chambers of the heart can be evaluated to determine if you do have an enlarged heart and to try and determine the cause. This test determines how efficiently your heart is pumping, assesses your heart valves, can look for evidence of previous heart attacks and can determine if you have congenital heart disease.
- **Cardiac computerized tomography (CT) or magnetic resonance imaging (MRI).** Although more commonly used to check for heart failure, more doctors are using these tests to diagnose heart problems. In a cardiac CT scan, you lie on a table inside a doughnut-shaped machine called a gantry. An X-ray tube inside the machine rotates around your body and collects images of your heart and chest.

In a cardiac MRI, you lie on a table inside a long tube-like machine that produces a magnetic field. The magnetic field aligns atomic particles in some of your cells. When radio waves are broadcast toward these aligned particles, they produce signals that vary according to the type of tissue they are. Images of your heart are created from these signals, which your doctor will look at to determine the cause of your enlarged heart.

- **Blood tests.** Your doctor may order blood tests to check the levels of certain substances in your blood that may signal that you have an enlarged heart. Blood tests can also help your doctor rule out other conditions that may cause your symptoms.
- **Cardiac catheterization and biopsy.** In this procedure, a thin tube (catheter) is inserted in your groin and threaded through your blood vessels to your heart, where a small sample (biopsy) of your heart can be extracted for analysis in the laboratory. Pressure within the chambers of your heart can be measured to see how forcefully blood pumps through your heart. Pictures of the arteries of the heart can be taken during the procedure (coronary angiogram) to ensure that you do not have any blockage.

Treatments and drugs

Enlarged heart treatment focuses on correcting the underlying condition.

Medications

If cardiomyopathy or another cause of a weak heart muscle is to blame for your enlarged heart, your doctor may recommend medications to treat heart failure symptoms. These include:

- **Diuretics** to lower the amount of sodium and water in your body, which can help lower the pressure in your arteries and heart, such as furosemide (Lasix), or other diuretics, such as spironolactone (Aldactone), which can help prevent further scarring of your heart tissue
- **Angiotensin-converting enzyme (ACE) inhibitors** to lower your blood pressure and improve your heart's pumping capability, such as enalapril (Vasotec), lisinopril (Zestril, Prinivil), ramipril (Altace) or captopril (Capoten)
- **Angiotensin receptor blockers (ARBs)**, such as losartan (Cozaar) and valsartan (Diovan), for those who can't take ACE inhibitors
- **Beta blockers** to lower blood pressure and improve heart function, such as carvedilol (Coreg) and metoprolol (Lopressor, Toprol-XL)
- **Digoxin**, which can help improve the pumping function of your heart and lessen the need for hospitalization for heart failure

Medical procedures and surgeries

If medications aren't enough to treat your enlarged heart, medical procedures or surgery may be necessary.

- **Medical devices to regulate your heartbeat.** For people who have a certain type of enlarged heart (dilated cardiomyopathy), a special pacemaker that coordinates the contractions between the left and right ventricle (biventricular pacing) may be necessary. In people who may be at risk of serious arrhythmias, drug therapy or an implantable cardioverter-defibrillator (ICD) may be options. ICDs are small devices — about the size of a box of matches — implanted in your chest to continuously monitor your heart rhythm and deliver electrical shocks when needed to control abnormal, rapid heartbeats. The devices can also work as pacemakers. If the main cause of your enlarged heart is due to atrial fibrillation, then you may need procedures to return your heart to regular rhythm or to keep your heart from beating too quickly.

- **Heart valve surgery.** If your enlarged heart is caused by a problem with one of your heart valves, you may have surgery to remove the narrow valve and replace it with either an artificial valve or a tissue valve from a pig, cow or human-cadaver donor. If you have valve regurgitation, in which blood leaks backward through your valve, the leaky valve may be surgically repaired or replaced.
- **Heart transplant.** If medications can't control your symptoms, a heart transplant may be a final option. Because of the shortage of donor hearts, even people who are critically ill may have a long wait before having a heart transplant.

Lifestyle and home remedies

While you can't cure your enlarged heart with home remedies, there are some things you can do to improve your condition. Your doctor may recommend adopting the following lifestyle changes:

- Quit smoking.
- Lose excess weight.
- Eat a low-salt diet.
- Control diabetes.
- Monitor your own blood pressure.
- Get modest exercise, after discussing with your doctor the most appropriate program of physical activity.
- Eliminate or minimize the amount of alcohol you drink.
- Try to sleep eight hours each night.

Prevention

In most cases you can't prevent your heart from enlarging. Let your doctor know if you have a family history of conditions that can cause an enlarged heart, such as cardiomyopathy. If cardiomyopathy or other heart conditions are diagnosed early, treatments may prevent the disease from worsening.

You can help reduce your chance of developing heart failure by avoiding some of

the conditions that can contribute to a weak heart, including the abuse of alcohol or cocaine, or not getting enough vitamins and minerals. Controlling high blood pressure with diet, exercise, and possibly medications also prevents many people who have an enlarged heart from developing heart failure later in life. Controlling risk factors for coronary artery disease — tobacco use, high blood pressure, high cholesterol and diabetes — helps to reduce your risk of an enlarged heart and heart failure by reducing your risk of heart attack.

References

May 6, 2009

DS01129

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Attachment

10



Advancing the Possibilities

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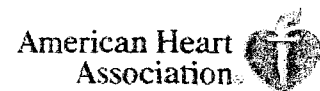
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Hydrogen Sulfide Gas Shows Promise for Treating Heart Failure

November 11, 2008

At low concentrations, the toxic gas hydrogen sulfide protects the hearts of mice from heart failure, scientists at Emory University School of Medicine have found.

Their findings, presented Nov. 11 at the American Heart Association (AHA) Scientific Sessions conference in New Orleans, suggest that doctors could use hydrogen sulfide to treat humans with heart failure.



Best known for its rotten-egg smell, hydrogen sulfide can pose a deadly threat to miners or sewer workers. However, scientists have recently found that enzymes within the body produce the gas in small, physiological amounts, with multiple beneficial effects such as regulating blood pressure and attenuating inflammation.

David Lefer, PhD, professor of surgery at Emory University School of Medicine, and his team created a model of heart failure in mice by blocking their left coronary arteries either temporarily for an hour or permanently, causing part of their heart muscles to die. Hydrogen sulfide was administered intravenously once a day for a week.

John Calvert, PhD, assistant professor of surgery working with Lefer, will present the findings at the AHA Meeting. "Our results show that hydrogen sulfide can blunt the impact of heart failure on heart function and mortality in a mouse model of heart failure," Calvert says.

Four weeks after artery blockage, mice treated with hydrogen sulfide had an ejection fraction, a measure of heart function, about a third larger than controls (36 compared to 27 percent). He and his colleagues also found similar effects in mice engineered to make more of an enzyme that generates hydrogen sulfide.

Heart failure, a leading cause of hospitalization for the elderly, describes a situation when the heart muscle cannot pump enough blood to meet the body's needs. Previous injury to the heart muscle from a heart attack, obesity, diabetes or high blood pressure all are contributing factors.

In a separate presentation, Calvert presented experimental data on how hydrogen sulfide works in the heart. The gas appears to stimulate heart muscle cells to produce their own antioxidants and molecules that stave off programmed cell death, a response to the loss of blood flow.

Both Calvert and Lefer are based at Carlyle Fraser Heart Center at Emory Crawford Long Hospital in Atlanta. Some of the research was performed at Albert Einstein College of Medicine in New York, with Susheel Gundewar, Saurabh Jha and John Elrod.

The research was funded by the National Institutes of Health, the American Diabetes Association and by a research grant from the biotechnology firm Ikaria Holdings. Lefer is a paid consultant for Ikaria, which is developing technology for hydrogen sulfide delivery.

About Emory Heart & Vascular Center

Emory Heart & Vascular Center doctors are committed to providing clinically excellent cardiovascular patient care, pioneering innovative clinical research and training the best heart specialists in the world. A component of Emory Healthcare, the Center is consistently recognized by U.S. News & World Report as one of the top heart centers in the country. Emory Healthcare is the clinical arm of Emory University's Woodruff Health Sciences Center and is the largest, most comprehensive health care system in Georgia.

Attachment

11

10909 East Fwy Houston, TX 77029
Phone: (713) 973-7943 Fax: (713) 973-7947

Physical Exam

Name: (b) (6)

SSN: (b) (6)

Date: 08/20/2008

PHYSICAL EXAM

Height: 45 Weight: 266 Temperature: _____ Vision: Uncorrected Corrected
 Resting BP: 130/90 Pulse: 80 Repeat B/P _____ Near Rt 20/30 Near Rt _____
 (2 min of ex) _____ Pulse _____ Lt 20/30 Lt _____
 Respirations/min 16 Distant Rt 20/30 Distant Rt _____ Color NL AB
 Hearing to forced whisper @ 5 feet Rt NL Lt NL Lt 20/15 Lt _____ Depth Perception NL AB

HEENT

Eyes

Globe NL AB
 Pupils NL AB
 EOM's NL AB
 Funduscopic NL AB
 Ocular Pressure:
 Rt NL AB
 Lt NL AB

Ears

Canal Clear Y N
 TM Visualized Y N
 Scarring of TM N Y
 Drainage N Y

Nose

Mouth

Teeth NL AB
 Throat NL AB
 Skin NL AB
 Neck NL AB
 Thyroid NL AB
 Chest Wall NL AB
 Lungs NL AB

Heart

Rhythm NL AB
 Auscultation NL AB
 Abdomen NL AB
 Abd. surg. scar N Y
 Hernia
 Umbilical N Y
 Inguinal N Y
 Femoral N Y
 Varicocele N Y
 Upper Extremity NL AB
 Hands/Fingers NL AB
 Legs NL AB
 Knees NL AB
 Knee surg. scar N Y
 Feet/ankles NL AB
 Varicosities NL AB
 Up. ext. strength NL AB
 Up. ext. ROM NL AB
 Low. ext. strength NL AB
 Low. ext. ROM NL AB
 Back/spine ROM NL AB
 Back surg. scar N Y
 Neurological Exam:
 Cran. nerves 2-12: NL AB

Reflexes

Babinski NL AB
 Romberg NEG POS
 Pupillary Rt NL AB
 Lt NL AB
 Accom. Rt NL AB
 Lt NL AB
 Biceps Rt NL AB
 Lt NL AB
 Knee Rt NL AB
 Lt NL AB
 Ankle Rt NL AB
 Lt NL AB

Proprioception

Up. Ext. Rt NL AB
 Lt NL AB
 Low. Ext. Rt NL AB
 Lt NL AB

Sensory Examination:

Up. Ext. Rt NL AB
 Lt NL AB
 Low. Ext. Rt NL AB
 Lt NL AB

OPTIONAL:

Genitalia NL AB
 Breast NL AB
 Rectal NL AB

Comments:

ANCILLARY STUDIES

Urinalysis Spec. Gravity: 1.020 Albumin Neg Sugar Neg Blood Neg
 EKG N/A NL AB See Results HPE NL AB

Comments:

Comments:

Lumbar X-Ray N/A NL AB See Results

Comments:

Pulmonary Function Test:

FEV1 _____ FVC _____ FEV1/FVC _____

Respirator Qualified? Y N

Comments:

Chest X-Ray N/A NL AB See Results

Comments:

Impairment Rating:

Comments:

Blood Analysis N/A NL AB See Results

Comments:

Audiogram N/A NL AB See Results

Comments:



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Robert A. Middleberg, PhD, DABFT, DABCC-TQ, Laboratory Director

CONFIDENTIAL

Toxicology Report

Report Issued 01/03/2009 11:00

To: **10240**
Southeast Texas Forensic Ctr.-Beaumont
Attn: Dr. Tommy Brown
5030 Highway 69 South, Ste.700
Beaumont, TX 77705

Patient Name
Patient ID
Chain
Age
Gender
Workorder
Page 1 of 4

(b) (6)

FILED

APR 27 2009

Justice Court, Pct. 8

Positive Findings:

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>Matrix Source</u>
Caffeine	Positive	mcg/mL	Blood
Cotinine	Positive	ng/mL	Blood
Nicotine	Positive	ng/mL	Blood
Theobromine	Positive	mcg/mL	Blood
Acetaminophen	4.6	mcg/mL	Blood

See Detailed Findings section for additional information

Specimens Received:

ID	Tube/Container	Volume/ Mass	Collection Date/Time	Matrix Source	Miscellaneous Information
001	Gray Top Tube	10.75 mL	12/19/2008	Blood	

All sample volumes/weights are approximations.

Specimens received on 12/30/2008.

Testing Requested:

<u>Analysis Code</u>	<u>Description</u>
8052B	Postmortem Toxicology - Expanded, Blood

POSTMORTEM EXAMINATION ON THE BODY OF

**Joey Sutter
6259 Gulfway Drive
Groves, Texas**

HISTORY: This 36 year old Caucasian male was found dead at 3:00 p. m. on December 18, 2008, at Christus Hospital - St. Mary in Port Arthur, Texas.

AUTOPSY: The autopsy was performed by Dr. Tommy J. Brown at the request and upon the written authorization of The Honorable Tom Gillam, III, Justice of the Peace, Precinct 8, Jefferson County, Texas, beginning at 6:45 a.m. on December 19, 2008, in the Southeast Texas Forensic Center, Inc., DBA: Jefferson County Morgue.

CLOTHING: The decedent was nude. The body was enclosed within two body bags. A strong chemical odor exuded from the body through both sealed body bags. A third body bag accompanied the body and held two plastic bags that contained clothing that had been cut away from the decedent's body. It also had a strong chemical odor. One of the plastic bags contained a pair of blue undershorts, a pair of blue gym shorts, a green shirt with "CES Environmental Services" written on the left upper chest, a pair of blue denim trousers, a black weave belt and a pair of white socks. In the other red plastic bag was a red medical blanket. All the clothing had a strong chemical odor. All were placed in a biohazard bag and submitted to OSHA at their request for testing.

PERSONAL PROPERTY: Within the right front trousers pocket was a blue and silver colored pocket knife. Accompanying the body was a Samsung cell phone. There was no other personal property on or accompanying the body.

EVIDENCE OF MEDICAL INTERVENTION: An oral airway was present within the mouth. Adhesive defibrillator/ ECG/ pacing electrodes were present over the right upper and left lower lateral chest. ECG electrode discs were present on the lateral right and left shoulders.

EXTERNAL APPEARANCE: The body was that of a white male that measured 74 inches in length, weighed 255 pounds and appeared the stated age of 36 years. There was full rigor mortis. The hair was brown mixed with some blonde streaks and measured $1\frac{5}{8}$ inches in length. There was congestion of the head and neck with distention of the neck veins. There was a purple coloration that extended from the top of the head to the nipple line across the chest. The eyes were closed; the conjunctivae were mildly congested; the corneae were clear; the irides were hazel to green. There were small areas of coalescent hemorrhage of the conjunctivae of the eyes. Several small petechiae were present over the forehead and upper face. There was a small amount of bloody like fluid that exuded from the nostrils along with foamy fluid. The nose and ears were otherwise unremarkable. Vomitus was present along the lower left side of the mouth and the lower left jaw area. The teeth were natural. There were no abrasions, contusions or lacerations of the inner mucosa of the lips. The neck was symmetrical and without scars or evidence of trauma. The chest was symmetrical and without scars or evidence of trauma. The abdomen was mildly protuberant and without palpable masses. There was a $1\frac{1}{4}$ inch abrasion to the left of the umbilicus. There were no identifiable scars of the abdomen. The pubic hair was small in quantity. The penis appeared circumcised. Both testicles were palpable within the scrotal sac. There were small scars of the knees and anterior lower legs. There was a tattoo of the name "Amber" and what looked like "Sam" on the proximal left lower leg. Other tattoos were present on the back of the left lower leg. There was a scabbed abrasion that measured $\frac{5}{8}$ of an inch on the proximal medial left lower leg. There was a tattoo of a head of a large cat on the lateral left upper arm and a tattoo that appeared to be a dragon. There was a tattoo of dice on the back of the left hand. Several transverse scars were present on the mid left forearm that extended down to on top of the lateral left wrist area. There were transverse scars on the anterior left wrist that appeared to be three in number. The lateral right shoulder had tattooed initials that were indiscernible. On the back of the right wrist was a tattoo of the name "Ashley". There was an orange-like coloration of the right hand. There was a tattoo of an indiscernible word in the web space of the right hand. The back had dependent posterior fixed lividity with blanching over the pressure areas. The back had a large tattoo on the left upper and mid back of various figures. There was a $2\frac{3}{4}$ by $1\frac{1}{4}$ inch scabbed abrasion on the back of the right forearm. The body had a strong chemical odor.

INTERNAL EXAMINATION: The body was opened with a Y-shaped thoracoabdominal incision to reveal fat and red-brown muscles of the upper anterior thorax. The abdominal panniculus at the level of the umbilicus measured 2 inches. The organs were in their usual locations and had normal anatomic relationships to one another. There was no fluid within the peritoneal or the pleural cavities. A small amount of serous fluid was present in the pericardial sac. Mucus was present within the nostrils and the upper airway.

CARDIOVASCULAR SYSTEM: The heart weighed 470 grams. It had a smooth and glistening epicardial surface with a moderate amount of fat. The coronary arteries followed a normal distribution. There was concentric moderate atherosclerosis of the left anterior descending coronary artery. The right coronary artery and circumflex had mild to moderate atherosclerosis. On sectioning, the myocardium was red-brown. There was no fibrosis. The walls of the right and left ventricles were of normal thickness. The cardiac valves were of normal size and had thin pliable cusps. The aorta had mild proximal atherosclerosis that became mild to moderate in the more distal portion.

RESPIRATORY SYSTEM: The right lung weighed 820 grams and the left weighed 730 grams. The upper pleural surfaces were dark gray and became darker in the more dependent portions. On sectioning, hemorrhagic and foamy fluid exuded from the cut surfaces along with a variegated appearance. There was no tumor or pulmonary emboli.

HEPATOBIILIARY SYSTEM: The liver weighed 2,500 grams. It had a dark brown external and cut surface. There was no tumor, infectious process or hemorrhage. The gallbladder contained less than 5 milliliters of a viscid green bile. There were no stones. The hepatobiliary ducts were patent.

SPLEEN: The spleen weighed 430 grams. It had a purple-gray intact capsule. On sectioning, the parenchyma was red-brown. The Malpighian corpuscles were prominent.

ADRENALS: Both adrenal glands were surrounded by a moderate amount of fat. On sectioning, the cortices were yellow and of normal thickness. The medullae were gray-tan and unremarkable.

Calculate Your Body Mass Index


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Body mass index (BMI) is a measure of body fat based on height and weight that applies to both **adult** men and women.

- Enter your weight and height using Standard or Metric measures.
- Click on "Compute BMI" and your BMI will appear in the heart of the figure.

BMI Categories:

- Underweight = <18.5
- Normal weight = 18.5-24.9
- Overweight = 25-29.9
- Obesity = BMI of 30 or greater

The BMI Tables**Aim for a Healthy Weight:**

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- [Limitations of the BMI](#)
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Español

STANDARD	METRIC	
Your Height:	<input type="text" value="6"/>	<input type="text" value="2"/>
	(feet)	(inches)
Your Weight:	<input type="text" value="255"/>	
	(pounds)	
<input type="button" value="Compute BMI"/>		

Your BMI:

32.7


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Attachment

13

General Affidavit

STATE OF New Mexico
COUNTY OF Eddy

BEFORE ME, the undersigned Notary, Becky Neal, on this 8th day
of June, 2009, personally appeared William B. Wood known to me to be a
credible person and of lawful age, who being by me duly sworn,
on his oath, deposes and says:

"My name is William Brad Wood. I am over 21 years of age. I was an employee on December 18, 2008, at the Port Arthur Chemical and Environmental Services, LLC ("PACES") plant site at the time Joey Sutter passed away. I have personal knowledge of the PACES operations.

At approximately 14:00 hours. I climbed on top of Trailer 267, Suzi Mock had informed me that she and Joey Sutter were to take a sample of the product from Trailer 267. Joey was instructing Suzi on how to open the dome lid and retrieve a sample.

Joey had just began loosening one of the dome lid fasteners when he began bleeding from his nose and collapsed on top of the dome lid. Joey was face-down with his upper torso inside the crash box, face lying on the dome lid, and his legs dangling off the side of the trailer. Suzi Mock was with Joey Sutter. The dome lid was not opened.

I instructed Suzi that we needed to roll Joey over in order to begin reviving him. I was afraid Joey had suffered a heart attack and that emergency response crews would not get there in time to properly help Joey and get him off the top of the trailer.

After Joey had been taken to the hospital emergency responders arrived back at PACES and were talking with Brian Weathers. Brian, after talking with emergency responders told me that the emergency response crew believed that Joey had suffered from a pulmonary embolism because Joey's chest was blue and this was classic sign of Pulmonary Embolism.

William B. Wood
(Signature of Affiant)

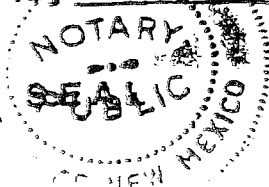
William B. Wood
(Printed Name of Affiant)

4015 E. Lindbergh Ct. Baytown, TX. 77521
(Home Address, City & State, Zip)

STATE OF New Mexico
COUNTY OF Eddy

Sworn to and subscribed before me on this 8th day of June, 2009,

by William B. Wood



Becky Neal
(Notary Public Signature)
1-25-11

General Affidavit

STATE OF TEXAS

COUNTY OF Jefferson

BEFORE ME, the undersigned Notary, Patricia Grace Kruger, on this
11 day of June, 2009, personally appeared Suzi Mock
known to me to be a credible person and of lawful age, who being by me duly
sworn, on her oath, deposes and says:

My name is Suzi Mock. I am over 21 years of age. I was an employee on December 18, 2008 at the Port Arthur Chemical and Environmental Services, LLC ("PACES") plant site at the time Joey Sutter passed away. I have personal knowledge and experience with the situation during the incident involving Joey Sutter. During the morning and afternoon of December 18, 2008 my personal monitor for the hydrogen sulfide did not sound an alarm warning. My personal hydrogen sulfide monitor alarm was set at 10 ppm for hydrogen sulfide on December 18, 2008. I was with Joey Sutter when we were on top of Trailer 267. When Joey collapsed on top of the trailer, I held his body so he would not fall from the trailer. During the time I was on top of Trailer 267 with Joey I did not personally become ill from any hydrogen sulfide gas. Joey did not open the dome lid on top of Trailer 267. He started to untwist one of the many hold down clamps of the dome lid when he collapsed."

Suzi Mock
(Signature of Affiant)

Suzi Mock
(Printed Name of Affiant)

2121 Norma St
(Street Address of Affiant, Line 1)

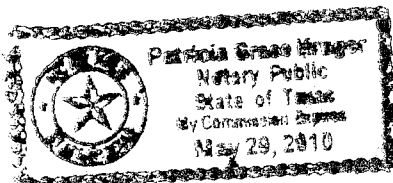
Port Arthur TX 77640
(City, State, Zip of Affiant, Line 2)

STATE OF TEXAS

COUNTY OF Jefferson

Sworn to and subscribed before me on this 11 day of June, 2009,
by Patricia Grace Kruger.

SEAL



Patricia Grace Kruger
(Notary Public Signature)

Feb 2009
IFTA LOGS



DRIVER'S DAILY LOG

(24 HOURS)

2 13 109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Carried over at
end of each day.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

Priority hours
today (total
lines 3 & 4)

70 Hour/
8 Day
Drivers

423

Total Miles Driving Today

Total Mileage Today

2001-268

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

3.25

10.5

8.25

2

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

24

SHIPPING
DOCUMENTS:

53828

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

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601-L



A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you work
34 consecutive
hours off duty,
you have 60-70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

31 0301 09
(Month) (Day) (Year)

Original - File at home terminal.
Duplicate - Driver retains in his/her possession for eight days.

RECAP
Complete at
end of week/day.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

427

Total Miles Driving Today

Total Mileage Today

2001-268

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

6.5

3.5

8.5

5.5

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 24

REMARKS

SHIPPING
DOCUMENTS:

83828

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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Port Arthur, TX

Shreveport, LA

Houston, LA

Pine Bluff, AR

601-L



A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.

C. Total hours on
duty last 7 days,
including today.

*If you took
32 consecutive
hours off duty,
you have 60/70
hours available
again.

70 Hour/
8 Day
Drivers

60 Hour/
7 Day
Drivers



DRIVER'S DAILY LOG

(24 HOURS)

3 / 2 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Ravi L. Wilson
Driver's Full Signature

Co-Driver's Name

2004-258

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Total Miles Driving Today

Total Mileage Today

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

13

3.50

7.50

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

24

SHIPPING
DOCUMENTS:

82165-269-70

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported to and where released from work and when and where each change of duty occurred.

From:

PORT AUTHUR TX

To:

Winnipeg TX

USE TIME STANDARD AT HOME TERMINAL

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RECAP

Complete at
end of week/day

On duty hours
today (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. 11
Total hours on
duty last 7 days,
including today.

B. 59
Total hours
available
tomorrow.
70 hr. minus A.*

C. 11
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 3-2-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 258

APPROPRIATE
CHECK BOX

☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: _____

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 3 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Rami X. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

12.25
On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

23.25

Total hours on
duty last 7 days,
including today.

46.75

Total hours
available
tomorrow.
70 hr. minus A.*

23.25

Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today

Total Mileage Today

2004-266

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

B2120-92704
B/L or Manifest No. 05
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.
PORT AUTHUR TX To: WINNIE TX

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 3-3-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 266

A
P
P
R
O
P
R
I
A
T
E
B
O
X
C
H
E
C
K

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: [Signature]

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 4 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Ken L. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

9.50

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

32.75

Total hours on
duty last 7 days,
including today.

37.25

Total hours
available
tomorrow.
70 hr. minus A.*

32.75

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today

231
Total Mileage Today

2004-258

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									14.50
2. SLEEPER BERTH																									
3. DRIVING																									5
4. ON DUTY (NOT DRIVING)																									4.50

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																									24

P.T.I.
 Port Arthur TX
 Winnie TX
 Port Arthur TX
 Winnie TX
 Port Arthur TX
 Winnie TX
 Port Arthur TX

SHIPPING
DOCUMENTS:

82313-92311

B/L or Manifest No.
or 82312

Shipper & Commodity

From: Port Arthur TX To: Winnie TX

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

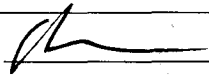
AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 3-4-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 258

APPROPRIATE
BOX
CHECK

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 5 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Kevin Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

13
On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

45.75

Total hours on
duty last 7 days,
including today.

24.25

Total hours
available
tomorrow.
70 hr. minus A.*

45.75

Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

DRIVER'S DAILY LOG

(24 HOURS)

3 / 5 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Kevin Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

13
On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

45.75

Total hours on
duty last 7 days,
including today.

24.25

Total hours
available
tomorrow.
70 hr. minus A.*

45.75

Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

2004-266

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

SHIPPING
DOCUMENTS:

32369

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

Port Arthur TX

To:

Port Allen LA

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

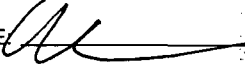
AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 3.5.09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 266

APPROPRIATE
CHECK BOX

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 6 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Ken L. Wilson
Driver's Full Signature

Co-Driver's Name

Total Miles Driving Today

Total Mileage Today

2004 - 266

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

SHIPPING
DOCUMENTS:

82426

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

PORT AUTHUR TX

To:

Donelsonville LA

USE TIME STANDARD AT HOME TERMINAL

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RECAP
Complete at
end of workday.

12
On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. 5775

Total hours on
duty last 7 days,
including today.

1225

Total hours
available
tomorrow.
70 hr. minus A *

5775

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A *

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty
you have 60/70
hours available
again.



601-L

DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 3.6.09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 266

A
P
P
R
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T
E
B
O
X

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 7 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

R. L. Wilson

Driver's Full Signature

Co-Driver's Name

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A. 57.5
Total hours on
duty last 7 days,
including today.

B. 2.25
Total hours
available
tomorrow.
70 hr. minus A.*

C. 57.5
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									
3. DRIVING																									
4. ON DUTY (NOT DRIVING)																									
REMARKS																									24

OFF DUTY

3-7-8-09

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: _____ TRACTOR/TRUCK NO.: _____ TRAILER(S) NO.(S): _____

A
P
P
R
O
P
R
I
A
T
E

C
H
E
C
K

- ☐ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: _____

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 9 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

RECAP
Complete at
end of workday.

13

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A. 57

Total hours on
duty last 7 days,
including today.

B. 13

Total hours
available
tomorrow.
70 hr. minus A.*

C. 57

Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today

Total Mileage Today

8004-266

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Ram L. Wilson
Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

SHIPPING
DOCUMENTS:

82583-94

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.
PORT AUTHUR TX. To: Pearridge LA

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

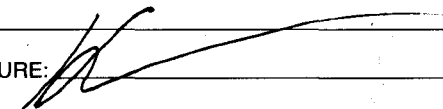
AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 3-9-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 266

APPROPRIATE
CHECKBOX

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 10 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Ramirez - Wilson

Driver's Full Signature

Co-Driver's Name

70 Hour / 8 Day Drivers

A. 70

Total hours on duty last 7 days, including today.

B. 0

Total hours available tomorrow, 70 hr. minus A.*

C. 70

Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

A.

Total hours on duty last 6 days, including today.

B.

Total hours available tomorrow, 60 hr. minus A.*

C.

Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									
3. DRIVING																									
4. ON DUTY (NOT DRIVING)																									

REMARKS

LOFF DUTY

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: _____ TRACTOR/TRUCK NO.: _____ TRAILER(S) NO.(S): _____

APPROPRIATE
BOX
CHECK

- ☐ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: _____

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 11 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP

Complete at
end of workday.

13.50

On-duty hours
today (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

13.50

Total hours on
duty last 7 days,
including today.

56.50

Total hours
available
tomorrow:
70 hr. minus A *

13.50

Total hours on
duty last 8 days,
including today

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow:
60 hr. minus A *

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Ken L. Wilson
Driver's Full Signature

Co-Driver's Name

2004-267

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

PORT AUTHUR TX

To:

Deeridge LA

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 3-11-09 TRACTOR/TRUCK NO.: 264 TRAILER(S) NO.(S): 267

APPROPRIATE
CHECKBOX

☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: [Signature]

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 12 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Kevin A. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

11.25

On-duty hours
today (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

24.75

Total hours on
duty last 7 days,
including today.

542.25

Total hours
available
tomorrow.
70 hr. minus A.*

24.75

Total hours on
duty last 7 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

DRIVER'S DAILY LOG

(24 HOURS)

3 / 12 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Kevin A. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

11.25

On-duty hours
today (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

24.75

Total hours on
duty last 7 days,
including today.

542.25

Total hours
available
tomorrow.
70 hr. minus A.*

24.75

Total hours on
duty last 7 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

2004. 255
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								12.75
																								6.25
																								5

REMARKS

SHIPPING DOCUMENTS:
82573-82936
B/L or Manifest No.
or
Shipper & Commodity

From: PORT AUSTIN, TX To: Deerfield, IL
USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 3.12.09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 255

APPROPRIATE
CHECK BOX

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: [Signature]

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 13 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP

Complete at
end of workday.

1 D

On duty hours
today (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. 34.75

Total hours on
duty last 7 days,
including today.

B. 35.25

Total hours
available
tomorrow.
70 hr. minus A.*

34.75

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.

Total hours on
duty last 6 days,
including today.

B.

Total hours
available
tomorrow.
60 hr. minus A.*

C.

Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Sam L. Wilson
Driver's Full Signature

Co-Driver's Name

2004-267

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

14

4.50

5.50

REMARKS

24

SHIPPING
DOCUMENTS:

82541

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

PORT AUTHUR TX

To:

EVADALE TX

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 3.13.09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 267

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- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: [Signature]

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 14 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Kevin L. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A. ☒ **70**
Total hours on
duty last 7 days,
including today.

B. **70**
Total hours
available
tomorrow.
70 hr. minus A.*

C. ☒ **60**
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. ☐
Total hours on
duty last 6 days,
including today.

B. ☐
Total hours
available
tomorrow.
60 hr. minus A.*

C. ☐
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID- NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								24

MID- NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								24

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



EPAHO041000740

DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: _____ TRACTOR/TRUCK NO.: _____ TRAILER(S) NO.(S): _____

APPROPRIATE
CORRECT

- ☐ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: _____

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 16 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Ravi Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A. 11
Total hours on
duty last 7 days,
including today.

B. 59
Total hours
available
tomorrow.
70 hr. minus A.*

C. 11
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

2004-420

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:

2122

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: *PORT AUTH TX* To: *Denidder LA*

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

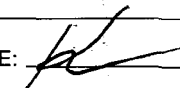
AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 3-16-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 269

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- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 17 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Karl Z. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

13.50

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

24.50

Total hours on
duty last 7 days,
including today.

45.50

Total hours
available
tomorrow.
70 hr. minus A.*

24.50

Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



2004-269
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									10.50
2. SLEEPER BERTH																									
3. DRIVING																									1.0
4. ON DUTY (NOT DRIVING)																									3.50

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																									2.4

SHIPPING
DOCUMENTS:

8296566

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

PORT AUTHUR TX

To:

Deridre LA

USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 3-17-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 269

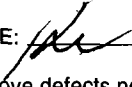
A
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- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 18 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Law L. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

8.50

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

33

Total hours on
duty last 7 days,
including today.

37

Total hours
available
tomorrow.

70 hr. minus A *

33

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A *

C.
Total hours on
duty last 7 days,
including today

*If you took
34 consecutive
hours off duty,
you have 6070
hours available
again

Total Miles Driving Today

210
Total Mileage Today

2004-255
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

24

SHIPPING
DOCUMENTS:

83002

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: PORT AUTH TX To: Bridge LA.

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 3-18-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 255

APPROPRIATE
COOPERATE

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: [Signature]

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 19 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Rami H. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

14
On-duty hours
today (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

47
A. Total hours on
duty last 7 days,
including today.

23
B. Total hours
available
tomorrow.
70 hr. minus A.*

47
C. Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again

Total Miles Driving Today

Total Mileage Today

2004-255

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

SHIPPING
DOCUMENTS:

8232
B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

PORT AUTHORITY TX

To:

MANFIELD LA

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 3-19-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 255

APPROPRIATE
CHECKBOX

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: [Signature]

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 120 109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days.

RECAP
Complete at
end of workday.
9

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Rene L. Wilson
Driver's Full Signature

Co-Driver's Name

70 Hour/
8 Day
Drivers

A. 56
Total hours on
duty last 7 days,
including today.

B. 14
Total hours
available
tomorrow.
70 hr. minus A.*

56
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today

Total Mileage Today

2004. 420

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

SHIPPING
DOCUMENTS:

83344

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

PORT AUTHUR TX.

To:

PINE BLUFF AR.

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 3.30.09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 420

APPROPRIATE
CHECK
INITIALS

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: _____

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 21 / 09
(Month) (Day) (Year)

Original - File at home terminal.
Duplicate - Driver retains in his/her possession for eight days.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

RECAP
Complete at
end of workday.

8.50

On-duty hours
today (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

64.50

Total hours on
duty last 7 days,
including today

5.50

Total hours
available
tomorrow:
70 hr. minus A.*

64.50

Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow:
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S DAILY LOG
(24 HOURS)

Total Miles Driving Today 420

Total Mileage Today 420

3004. 420

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Ron L. Wilson
Driver's Full Signature

Co-Driver's Name

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									
2. SLEEPER BERTH																									4
3. DRIVING																									7.50
4. ON DUTY (NOT DRIVING)																									1

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																									2.4

SHIPPING DOCUMENTS: 83344

B/L or Manifest No. or

Shipper & Commodity

From: Pine Bluff AR. To: Port Arthur TX.

Enter name of place you reported and where released from work and when and where each change of duty occurred.

EPAHO041000752

DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 3-21-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 120

A
R
R
O
W
I
N
D
I
C
A
T
E
S
D
I
R
E
C
T
I
O
N
O
F
D
E
F
E
C
T

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: _____

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 23 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

[Signature]
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

0

On-duty hours
today (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A. 57.50

Total hours on
duty last 7 days,
including today.

B. 15.50

Total hours
available
tomorrow.
70 hr. minus A.*

C. 52.50

Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									
3. DRIVING																									
4. ON DUTY (NOT DRIVING)																									

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
REMARKS																									24

OFF DUTY

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: _____ To: _____

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: _____ TRACTOR/TRUCK NO.: _____ TRAILER(S) NO.(S): _____

APPROPRIATE
BOX
CORRECT

- ☐ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: _____

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 23 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Ken R. Hulse
Driver's Full Signature

Co-Driver's Name

Total Miles Driving Today

Total Mileage Today

2004-255

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

11.50

9.50

3

24

REMARKS

PTI
PORT AUTHUR TX

BONA TR. FUEL

MANFIELD LA
TC

PORT AUTHUR TX
PTI

SHIPPING
DOCUMENTS:

83305

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: PORT AUTHUR TX.

To: MANFIELD LA.

USE TIME STANDARD AT HOME TERMINAL

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RECAP
Complete at
end of workday.

1250

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A 57.50

Total hours on
duty last 7 days,
including today.

B 12.50

Total hours
available
tomorrow.

70 hr. minus A.*

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
80 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



601-L

DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 7-23-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 255

A
P
P
R
O
P
R
I
A
T
E
B
O
X

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: [Signature]

☐ Above defects corrected

☒ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 24 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

12

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. 12
Total hours on
duty last 7 days,
including today.

B. 58
Total hours
available
tomorrow.
70 hr. minus A.*

C. 12
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

David L. Gubler
Driver's Full Signature

Co-Driver's Name

Total Miles Driving Today
Total Mileage Today

2004. 255

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									12
2. SLEEPER BERTH																									
3. DRIVING																									9
4. ON DUTY (NOT DRIVING)																									3

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																									24

PTI - PORTAUTRA TX
Bona TX Fuel
Mansfield LA
TC
PORTAUTRA TX

SHIPPING DOCUMENTS:

83207

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: PORTAUTRA TX To: MANSFIELD LA

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT


AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 3-24-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 255

APPROPRIATE
CHECK BOX

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 25 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Ken L. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

9
On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

21
Total hours on
duty last 7 days,
including today.

49
Total hours
available
tomorrow.
70 hr. minus A.*

21
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today 412
Total Mileage Today

2004 255
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									9
2. SLEEPER BERTH																									6
3. DRIVING																									7.50
4. ON DUTY (NOT DRIVING)																									1.50

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																									24

SHIPPING DOCUMENTS: 83535
B/L or Manifest No. 83535
or

Port of Origin: PORT AUTHORITY TX
Destination: PORT OF CALIFORNIA
Port of Call: PORT OF ARIZONA

Shipper & Commodity: PORT AUTHORITY TX
Enter name of place you reported and where released from work and when and where each change of duty occurred.
From: PORT AUTHORITY TX To: PINE BLUFF AR

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

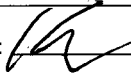
AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 3-25-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 255

APPROPRIATE
CHECK
BOX

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 26 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Sam L. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

8.50

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. 29.50

Total hours on
duty last 7 days,
including today.

B. 40.50

Total hours
available
tomorrow.

70 hr. minus A.*

C. 29.50

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again

601-L



SHIPPING
DOCUMENTS:

82535

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

Pine Bluff AR

To:

Port Arthur TX

USE TIME STANDARD AT HOME TERMINAL

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EPAHQ041000762

DRIVER'S VEHICLE INSPECTION REPORT

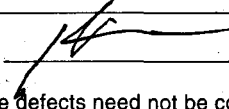
AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 3-26-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 255

APPROPRIATE
CHECKBOX

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 12 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Karl L. Wilson

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS	
	1. OFF DUTY																									24
2. SLEEPER BERTH																										
3. DRIVING																										
4. ON DUTY (NOT DRIVING)																										
REMARKS																										24

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. 21.50
Total hours on
duty last 7 days,
including today.

B. 40.50
Total hours
available
tomorrow.
70 hr. minus A.

C. 29.50
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: _____ TRACTOR/TRUCK NO.: _____ TRAILER(S) NO.(S): _____

APPROPRIATE
CHECK
BOX

- ☐ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: _____

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 130 10 9
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Ken L. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

10.25
On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

10.25
Total hours on
duty last 7 days,
including today.

59.25
Total hours
available
tomorrow
70 hr. minus A.*

10.25
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.
*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today

Total Mileage Today

2004. 258

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

SHIPPING

DOCUMENTS: 83825

83824-23827

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: PORT AUTHUR TX. To: Winnie TX.

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 3-30-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 258

A
P
P
R
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B
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K
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R
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A
T
E

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: _____

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 31 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Ken L. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

1250

On-duty hours
today: (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

83.25

Total hours on
duty last 7 days,
including today.

83.75

Total hours
available
tomorrow.

70 hr. minus A.*

83.25

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again

Total Miles Driving Today

420

Total Mileage Today

200 4. 420

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

P.T.I.
PORT AUTHORITY
Kroger (12 TX
T.C.
Dorinda LA
PORT AUTHORITY
Dorinda LA
PORT AUTHORITY

24

SHIPPING
DOCUMENTS:

P3726-27

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

PORT AUTHORITY TX

To:

Dorinda LA

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 3.31.09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 420

APPROPRIATE
CHECK BOX

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 3 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Ken L. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

11.50

On-duty hours
today: (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

11.50

Total hours on
duty last 7 days,
including today.

58.50

Total hours
available
tomorrow:
70 hr. minus A.*

11.50

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow:
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60-70
hours available
again.

601-L



1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								12.50

REMARKS

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								24

SHIPPING DOCUMENTS:

90809~

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

PORT AUTHORITY TX.

To:

WINNIE TX.

USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE 2-3-09 TRACTOR/TRUCK NO.: 3004 TRAILER(S) NO.(S): 1264

APPROPRIATE
CHECKBOX

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: [Signature]

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 4 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Lawrence Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

14
On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

25.50

A. Total hours on
duty last 7 days,
including today.

B. 44.50

Total hours
available
tomorrow.
70 hr. minus A.*

25.50

Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty
you have 60/70
hours available
again.

Total Miles Driving Today
Total Mileage Today

287

2004-1264

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									10
2. SLEEPER BERTH																									
3. DRIVING																									8.75
4. ON DUTY (NOT DRIVING)																									5.25

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																									24

P.T.I.
PORTAUTHER TX.

Wichita TX.

PORTAUTHER TX.

Peridder LA.

PORTAUTHER TX.

SHIPPING
DOCUMENTS:

80934

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: PORTAUTHER TX To: Peridder LA.

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

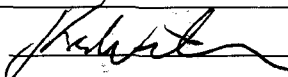
AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 2-4-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 1264-268

APPROPRIATE
KCEHC
BOX
X

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 5 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Rain L. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

10.50

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

36

Total hours on
duty last 7 days,
including today.

34

Total hours
available
tomorrow.
70 hr. minus A.*

36

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: PORT BOUTHER TX To: HOUSTON TX

USE TIME STANDARD AT HOME TERMINAL

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Total Miles Driving Today

Total Mileage Today

200K 262
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

80108
B/L or Manifest No.
or

Shipper & Commodity

From:

DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 2.5.09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 269

A
P
P
R
O
P
R
I
A
T
E
C
H
E
C
K
B
O
X

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: [Signature]

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 6 / 109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Kan. J. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

14

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. 50
Total hours on
duty last 7 days,
including today.

B. 20
Total hours
available
tomorrow.
70 hr. minus A.*

C. 50
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								10
																								11
																								3
																								24

REMARKS

SHIPPING DOCUMENTS:

80017

B/L or Manifest No.
or

Shipper & Commodity

From:

PORT AUTHORITY

To:

ROGALUSA LA.

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 2-6-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 261

APPROPRIATE
CHECKBOX

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 17 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Kevin Z. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A. 50
Total hours on
duty last 7 days,
including today.

B. 20
Total hours
available
tomorrow.
70 hr. minus A.*

C. 50
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again

601-L



Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID- NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									
3. DRIVING																									
4. ON DUTY (NOT DRIVING)																									

	MID- NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
REMARKS																									24

LOFF DUTY

2-7-8-09

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

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EPAHO041000778

DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: _____ TRACTOR/TRUCK NO.: _____ TRAILER(S) NO.(S): _____

A
P
P
R
O
B
E
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K
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G
C
H
E
C
K
L
I
S
T

- ☐ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: _____

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 9 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Ken L. Wilson

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

1075

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

1075

Total hours on
duty last 7 days,
including today.

B. 59.25

Total hours
available
tomorrow.
70 hr. minus A.*

C. 1075

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



SHIPPING
DOCUMENTS:

81009

B/L or Manifest No.
or

Shipper & Commodity

From:

PORT AUTHUR TX.

To:

Winnie TX.

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

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1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								13.25
																								3.50
																								7.25
																								8.4

P.T.H.
PORT AUTHUR TX.

Winnie TX.

PORT AUTHUR TX.

Winnie TX.

PORT AUTHUR TX.

DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 2-9-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 848

APPROPRIATE
CHECKBOX

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: _____

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 10 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Ken L. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

11.50

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

22.25

Total hours on
duty last 7 days,
including today.

47.50

Total hours
available
tomorrow
70 hr. minus A *

22.25

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A *

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours of duty,
you have 60/70
hours available
again.

601-L



SHIPPING
DOCUMENTS:

81157

B/L or Manifest No.
or

Shipper & Commodity

From:

PORT AUTHUR TX.

To:

WINNIE TX.

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

© Copyright 2005 & Published by J. J. KELLER & ASSOCIATES, INC.

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								12.50
																								3.50
																								8
																								24

P.T.I.
PORT AUTHUR TX.

WINNIE TX.

PORT AUTHUR TX.

WINNIE TX.

PORT AUTHUR TX.

DRIVER'S VEHICLE INSPECTION REPORT

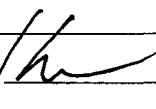
AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 2-10-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 1364

APPROPRIATE
CIRCLES
CHECK
K

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 11 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Kevin L. Watson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

12

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. 34.25

Total hours on
duty last 7 days,
including today.

B. 35.75

Total hours
available
tomorrow.
70 hr. minus A.*

C. 34.25

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.

Total hours on
duty last 6 days,
including today.

B.

Total hours
available
tomorrow.
60 hr. minus A.*

C.

Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



SHIPPING
DOCUMENTS:

8169
B/L or Manifest No.
or

Shipper & Commodity

From:

PORT AUTHUR TX

To:

WINNIE TX

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

© Copyright 2005 & Published by J. J. KELLER & ASSOCIATES, INC.

1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								12
																								5
																								7
																								24

REMARKS

PORT AUTHUR TX
WINNIE TX
PORT AUTHUR TX
WINNIE TX
PORT AUTHUR TX
WINNIE TX
PORT AUTHUR TX

DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 2-11-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 255

APPROPRIATE
CHECKBOX

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: [Signature]

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 12 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Ken L. Wilson

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. 45-25
Total hours on
duty last 7 days,
including today.

B. 24-75
Total hours
available
tomorrow.
70 hr. minus A.*

C. 45-25
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



SHIPPING
DOCUMENTS:

91172 -

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.
PORT AUTHUR TX To: WINNIE TX

USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S VEHICLE INSPECTION REPORT

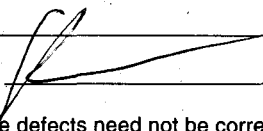
AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 7-12-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 1264

A
P
P
R
O
P
R
I
A
T
E
C
H
E
C
K
B
O
X

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 13 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Ramirez Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

0

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A. 45.25

Total hours on
duty last 7 days,
including today.

B. 24.75

Total hours
available
tomorrow.
70 hr. minus A.*

C. 45.25

Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: POAT AUTHUR TX

To: Winnie TX

USE TIME STANDARD AT HOME TERMINAL

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EPAHO041000788

DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: _____ TRACTOR/TRUCK NO.: _____ TRAILER(S) NO.(S): _____

APPROPRIATE
CHECKBOX

- ☐ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: _____

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 14 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

[Signature]
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

6.50

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. 51.75

Total hours on
duty last 7 days,
including today.

B. 18.25

Total hours
available
tomorrow.
70 hr. minus A.*

C. 51.75

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



SHIPPING DOCUMENTS:

813072

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported to work and when and where each change of duty occurred.
Port Arthur TX To: Deerfield LA

USE TIME STANDARD AT HOME TERMINAL

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1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								17.50
																								5
																								1.50
																								24

REMARKS

PTI
Port Arthur TX
Deerfield LA
Port Arthur TX

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

APPROPRIATE
BOX
CHECK

- ☐ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: _____

- ☐ Above defects corrected ☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: [Signature]

DRIVER'S SIGNATURE: _____

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Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

On-duty hours today. (Total lines 3 & 4)	
--	--

**70 Hour
8 Day
Drivers**

AS-75
Total hours on duty last 7 days, including today.

B. 18.25
Total hours
available
tomorrow.
70 hr. minus A.*

c. 51.75
Total hours on
duty last 8 days,
including today.

**60 Hour,
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

***If you took 34 consecutive hours off duty, you have 60/70 hours available again.**

601-L



USE TIME STANDARD AT HOME TERMINAL

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EPAHQ041000792

DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: _____ TRACTOR/TRUCK NO.: _____ TRAILER(S) NO.(S): _____

A
P
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C
H
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C
K
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E

- ☐ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: _____

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 16 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Kenneth Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. 0
Total hours on
duty last 7 days,
including today.

B. 59
Total hours
available
tomorrow.
70 hr. minus A.*

C. 11
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today

404
Total Mileage Today

2004-269
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									13
2. SLEEPER BERTH																									
3. DRIVING																									9
4. ON DUTY (NOT DRIVING)																									2

REMARKS

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								24

SHIPPING
DOCUMENTS:

85467
B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.
From: PORT AUSTIN TX. To: PORT ALLEN TX.

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 2/6/09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 269

APPROPRIATE
CROSS
CHECK

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 17 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Rui L. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

11.75

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A. 22.75

Total hours on
duty last 7 days,
including today.

B. 47.25

Total hours
available
tomorrow
70 hr. minus A.*

C. 22.75

Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



SHIPPING DOCUMENTS:

81552

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: PORT AUTHUR TX.

To: WINNIE TX.

USE TIME STANDARD AT HOME TERMINAL

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1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								12.25
																								4.75
																								7
																								24

REMARKS

P.T.I.
PORT AUTHUR TX.

PORT AUTHUR TX.

PORT AUTHUR TX.

WINNIE TX.

PORT AUTHUR TX.

WINNIE TX.

PORT AUTHUR TX.

DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 2-17-09 TRACTOR/TRUCK NO.: 2604 TRAILER(S) NO.(S): 269.

APPROPRIATE
CHECKBOX

☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 18 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Kari L. Walker
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. 32.75
Total hours on
duty last 7 days,
including today.

B. 37.25
Total hours
available
tomorrow.
70 hr. minus A.*

32.75
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today

Total Mileage Today

2009. 229

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																								14
2. SLEEPER BERTH																								
3. DRIVING																								8
4. ON DUTY (NOT DRIVING)																								2
REMARKS																								24

SHIPPING
DOCUMENTS:

81588

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

PORT ARTHUR TX

To:

PINE BLUFF AR.

USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S VEHICLE INSPECTION REPORT

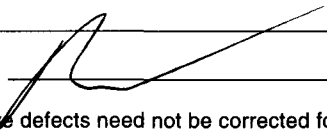
AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 2-18-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 239

APPROPRIATE
CHECKBOX

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 19 / 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Kevin H. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

9

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. 41.75

Total hours on
duty last 7 days,
including today.

28.25

Total hours
available
tomorrow.
70 hr. minus A.*

C. 41.75

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



SHIPPING
DOCUMENTS:

81588

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: Pine Bluff AR. To: Port Arthur TX.

USE TIME STANDARD AT HOME TERMINAL

© Copyright 2005 & Published by J. J. KELLER & ASSOCIATES, INC

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									15
2. SLEEPER BERTH																									
3. DRIVING																									7.75
4. ON DUTY (NOT DRIVING)																									11.4
REMARKS																									24

P.T.H.
PINE BLUFF AR.
ON. GRN. LA.
T.C.
P.C.
PORT AUTHUR TX.

DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 2-19-09 TRACTOR/TRUCK NO.: 2104 TRAILER(S) NO.(S): 239

A
P
P
R
O
B
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C
H
O
P
E
R
A
T
E

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: _____

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 20 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Ken L. Wilson
Driver's Full Signature

Co-Driver's Name

2004-255

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:

81619

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

PORT AUTHORITY TX

To:

Bogalusa LA

USE TIME STANDARD AT HOME TERMINAL

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RECAP
Complete at
end of workday.

13
On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. 54.25

Total hours on
duty last 7 days,
including today.

B. 15.25

Total hours
available
tomorrow.
70 hr. minus A.*

C. 54.25

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



601-L

DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: _____ TRACTOR/TRUCK NO.: _____ TRAILER(S) NO.(S): _____

A
P
P
R
O
B
E
C
H
E
C
K
I
N
G
A
T
E

- ☐ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: _____

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 21 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Ken C. Wilcox
Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

2604 - 255

Total Miles Driving Today Total Mileage Today

210

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

16.50

A. 62.25
Total hours on duty last 7 days, including today.

B. 7.75
Total hours available tomorrow, 70 hr. minus A.*

C. 62.25
Total hours on duty last 7 days, including today.

5
2.50
Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

24

SHIPPING DOCUMENTS:

81602

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported to and where released from work and when and where each change of duty occurred.

From: Port Arthur TX

To: Port Arthur TX

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow, 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

RECAP Complete at end of workday.

7.50

On-duty hours today. (Total lines 3 & 4)

70 Hour / 8 Day Drivers

62.25

DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

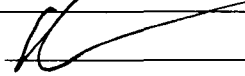
DATE: 2-21-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 255

APPROPRIATE
CHECKBOX

☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 22 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Ken L. Wilson
Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

OFF DUTY

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported to and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



On-duty hours
today. Total
lines 3 & 4:

70 Hour/
8 Day
Drivers

62.5
Total hours on
duty last 7 days,
including today.

B. 7.0
Total hours
available
tomorrow.
70 hr. minus A.*

C. 62.5
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: _____ TRACTOR/TRUCK NO.: _____ TRAILER(S) NO.(S): _____

A
P
P
R
O
B
E
C
K
C
H
E
C
K
I
T
E

- ☐ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: _____

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 23 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Karl L. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

12
On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

12
Total hours on
duty last 7 days,
including today.

B. 58
Total hours
available
tomorrow.
70 hr. minus A.*

C. 12
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



SHIPPING
DOCUMENTS:

81777

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported to and where released from work and when and where each change of duty occurred.

Port Arthur

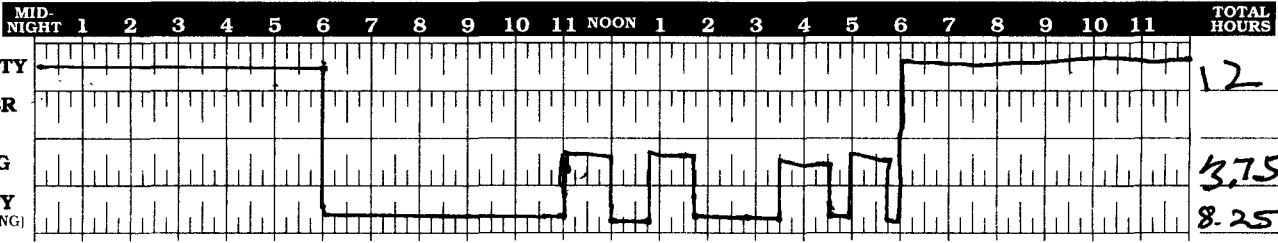
To:

Winnie TX

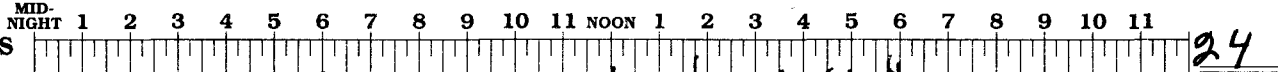
USE TIME STANDARD AT HOME TERMINAL

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1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)



REMARKS



P.T.I.
PORT AUTHUR TX

Winnie TX

PORT AUTHUR TX

Winnie TX

PORT AUTHUR TX

DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 223.09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 224

APPROPRIATE
CHECKBOX

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: _____

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 24 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Kari L. Wilson

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

24

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

24

OFF DUTY

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: _____ TRACTOR/TRUCK NO.: _____ TRAILER(S) NO.(S): _____

A
P
P
R
O
B
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C
H
O
P
R
I
A
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E
C
H
E
C
K

- ☐ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: _____

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 25 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Paul Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

14

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. 14

Total hours on
duty last 7 days,
including today.

B. 56

Total hours
available
tomorrow.
70 hr. minus A.*

C. 14

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.

Total hours on
duty last 6 days,
including today.

B.

Total hours
available
tomorrow.
60 hr. minus A.*

C.

Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again

Total Miles Driving Today

Total Mileage Today

2004. 239

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

SHIPPING
DOCUMENTS:

81892

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.
PORT AUTHUR TX - To: PORT ALLEN LA.

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 2-25-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 239

A
P
P
R
O
P
R
I
A
T
E

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 126 109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Kam L. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

13.50

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

27.50

Total hours on
duty last 7 days,
including today.

42.50

Total hours
available
tomorrow.
70 hr. minus A.*

27.50

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



SHIPPING
DOCUMENTS:

81934-33

B/L or Manifest No.
or

Shipper & Commodity

From:

PORT AUTHUR TX

To:

De Ridder LA

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

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1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								10.50
																								1.0
																								3.50
																								2.4

REMARKS

PORT AUTHUR TX

De Ridder LA

PORT AUTHUR TX

De Ridder LA

PORT AUTHUR TX

DRIVER'S VEHICLE INSPECTION REPORT

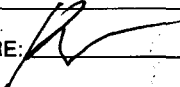
AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 2-26-09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 267

APPROPRIATE
CHECKBOX

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 22 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Ken L. Wilson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

8.50

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. 35.75

Total hours on
duty last 7 days,
including today.

B. 34.25

Total hours
available
tomorrow.
70 hr. minus A.*

C. 35.25

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: **PORT AUTHORITY TX** To: **DERIDDER LA**

USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE 2-27-09 TRACTOR/TRUCK NO.: 2001 TRAILER(S) NO.(S): 267

A
P
P
R
O
B
E
X
C
H
E
C
K
A
T
E

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

3 / 28 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Kevin R. Staley
Driver's Full Signature

Co-Driver's Name

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

46.23

A. Total hours on
duty last 7 days,
including today.

23.25

Total hours
available
tomorrow.
70 hr. minus A.*

46.75

C. Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today

396
Total Mileage Today

2004-268

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

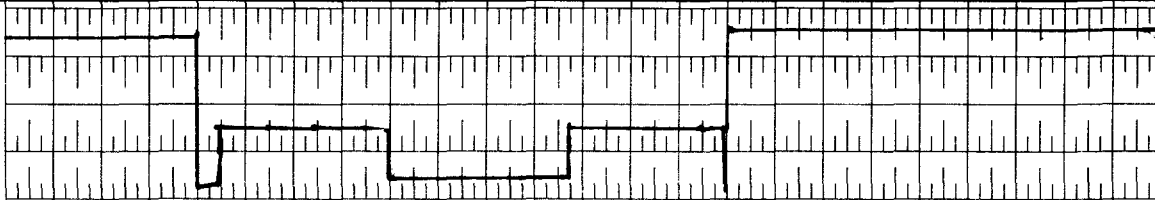
MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)



23
6.75
4.25

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

24

SHIPPING
DOCUMENTS:

82214
B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: PORTAUTHER TX To: PORT ALLEN LA

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 2.28.09 TRACTOR/TRUCK NO.: 2004 TRAILER(S) NO.(S): 268

A
P
P
R
O
P
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I
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E
C
K
B
O
X

- ☐ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: _____

☐ Above defects corrected

☒ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

02 / 01 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Jose Dominguez

Driver's Full Signature

Co-Driver's Name

Total Miles Driving Today

Total Mileage Today

RECAP
Complete at
end of workday.

Of duty hours
today. Total
times 3 & 4)

70 Hour/
8 Day
Drivers

Total hours on
duty last 7 days,
including today.

70

Total hours
available
tomorrow.
70 hr. minus A *

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

Total hours on
duty last 6 days,
including today.

Total hours
available
tomorrow.
60 hr. minus A *

Total hours on
duty last 7 days,
including today.

Total hours
available
tomorrow.
60 hr. minus A *

Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

n/a

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									0
3. DRIVING																									0
4. ON DUTY (NOT DRIVING)																									0

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
REMARKS																									24

off duty

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

02 / 02 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Jose Dominguez

Driver's Full Signature

Co-Driver's Name

278-LT1047

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

36485
36699

SHIPPING
DOCUMENTS:

80737

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

To:

601-L



RECAP
Complete at
end of workday.

9.5
On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

9.5
A. Total hours on
duty last 7 days,
including today.

60.5
B. Total hours
available
tomorrow.
70 hr. minus A.*

9.5
C. Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

02 / 03 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Jose Dominguez

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

12
On-duty hours
today: (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

21.5
Total hours on
duty last 7 days,
including today.

**60 Hour/
7 Day
Drivers**

21.5
Total hours on
duty last 6 days,
including today.

21.5
Total hours on
duty last 5 days,
including today.

21.5
Total hours on
duty last 4 days,
including today.

21.5
Total hours on
duty last 3 days,
including today.

21.5
Total hours on
duty last 2 days,
including today.

21.5
Total hours on
duty last 1 day,
including today.

21.5
Total hours on
duty last 0 days,
including today.

21.5
Total hours on
duty last -1 days,
including today.

21.5
Total hours on
duty last -2 days,
including today.

21.5
Total hours on
duty last -3 days,
including today.

21.5
Total hours on
duty last -4 days,
including today.

21.5
Total hours on
duty last -5 days,
including today.

21.5
Total hours on
duty last -6 days,
including today.

21.5
Total hours on
duty last -7 days,
including today.

21.5
Total hours on
duty last -8 days,
including today.

21.5
Total hours on
duty last -9 days,
including today.

21.5
Total hours on
duty last -10 days,
including today.

21.5
Total hours on
duty last -11 days,
including today.

21.5
Total hours on
duty last -12 days,
including today.

21.5
Total hours on
duty last -13 days,
including today.

21.5
Total hours on
duty last -14 days,
including today.

21.5
Total hours on
duty last -15 days,
including today.

21.5
Total hours on
duty last -16 days,
including today.

21.5
Total hours on
duty last -17 days,
including today.

21.5
Total hours on
duty last -18 days,
including today.

21.5
Total hours on
duty last -19 days,
including today.

21.5
Total hours on
duty last -20 days,
including today.

21.5
Total hours on
duty last -21 days,
including today.

21.5
Total hours on
duty last -22 days,
including today.

21.5
Total hours on
duty last -23 days,
including today.

21.5
Total hours on
duty last -24 days,
including today.

21.5
Total hours on
duty last -25 days,
including today.

21.5
Total hours on
duty last -26 days,
including today.

21.5
Total hours on
duty last -27 days,
including today.

21.5
Total hours on
duty last -28 days,
including today.

21.5
Total hours on
duty last -29 days,
including today.

21.5
Total hours on
duty last -30 days,
including today.

190 190
Total Miles Driving Today Total Mileage Today

278-266

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									12
2. SLEEPER BERTH																									0
3. DRIVING																									4
4. ON DUTY (NOT DRIVING)																									8

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
REMARKS																									24

36699
36889

SHIPPING
DOCUMENTS:

80593
B/L or Manifest No.
or

Shipper & Commodity

From:

Port Arthur, TX

To:

Houston, TX

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

02, 04, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Jose Dominguez

Driver's Full Signature

Co-Driver's Name

278-266

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

[36889
36986

SHIPPING
DOCUMENTS:

80594
B/L or Manifest No.
or

Shipper & Commodity

From:

Port Arthur, TX

To:

Houston, TX

USE TIME STANDARD AT HOME TERMINAL

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RECAP
Complete at
end of workday.

13
On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

34.5
Total hours on
duty last 7 days,
including today.

35.5
Total hours
available
tomorrow.

70 hr. minus A *

34.5
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

24

24

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.

60 hr. minus A *

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



601-L



DRIVER'S DAILY LOG

(24 HOURS)

02 / 05 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Jose Dominguez

Driver's Full Signature

Co-Driver's Name

none none
Total Miles Driving Today Total Mileage Today

n/a
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Complete at
end of workday.

In-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

Total hours on
duty last 7 days,
including today.

Total hours
available
tomorrow.
70 hr. minus A.*

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

Total hours on
duty last 6 days,
including today.

Total hours
available
tomorrow
60 hr. minus A.*

Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

02 / 06 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Jose Dominguez

Driver's Signature

Co-Driver's Name

278-1264-LT423

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

[36986
37239

SHIPPING
DOCUMENTS:

B/L or Manifest No.

or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred

USE TIME STANDARD AT HOME TERMINAL

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RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



601-L

DRIVER'S DAILY LOG

(24 HOURS)

02, 07, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday

ACES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

278-269-LT638

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

**70 Hour
8 Day
Drivers**

A. 27
Total hours on
duty last 7 days,
including today.

B. 43
Total hours
available
tomorrow.
70 hr. minus A.*

c. 27
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. _____
Total hours on
duty last 6 days,
including today.

B.

Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									10
2. SLEEPER BERTH																									0
3. DRIVING																									10
4. ON DUTY (NOT DRIVING)																									4

[illegible]**SHIPPING
DOCUMENTS:**

B/L or Manifest No.

or 80656
Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S DAILY LOG

(24 HOURS)

02 / 08 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Jose Dominguez
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

Total hours on
duty last 7 days,
including today.

70
Total hours
available
tomorrow.
70 hr. minus A.*

Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

Total hours on
duty last 6 days,
including today.

Total hours
available
tomorrow.
60 hr. minus A.*

Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



601-L

**SHIPPING
DOCUMENTS:**

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

© Copyright 2005 & Published by J. J. KELLER & ASSOCIATES, INC.

off duty



DRIVER'S DAILY LOG

(24 HOURS)

02 / 09 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Jose Dominguez

Driver's Full Signature

Co-Driver's Name

424 424
Total Miles Driving Today Total Mileage Today

278-267

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

37849
38273

SHIPPING
DOCUMENTS:

80891
B/L or Manifest No.

80903
or
Shipper & Commodity

From:

Port Arthur, TX De Ridder, LA
Port Arthur, TX De Ridder, LA
Port Arthur, TX De Ridder, LA
Port Arthur, TX De Ridder, LA

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP
Complete at
end of workday.

14
On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

14
A. Total hours on
duty last 7 days,
including today.

56
B. Total hours
available
tomorrow.
70 hr. minus A.*

14
C. Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



601-L



DRIVER'S DAILY LOG

(24 HOURS)

02 / 10 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days.

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Jose Dominguez

Driver's Full Signature

Co-Driver's Name

278-239-269-LT848

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

38273
38354

SHIPPING
DOCUMENTS:

81150
B/L or Manifest No.

81151
or
Shipper & Commodity

81189 From: Port Arthur, TX

81153

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To: Winnie, TX

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow, 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

A. 26
Total hours on duty last 7 days, including today.

B. 44
Total hours available tomorrow, 70 hr. minus A.*

C. 26
Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

24

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow, 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

70 Hour / 8 Day Drivers

26
Total hours on duty last 7 days, including today.

44
Total hours available tomorrow, 70 hr. minus A.*

26
Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

24

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow, 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

02 / 11 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday

13.5

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Jose Dominguez

Driver's Full Signature

Co-Driver's Name

70 Hour/
8 Day
Drivers

39.5

Total hours on
duty last 7 days,
including today

30.5

Total hours
available
tomorrow,
70 hr. minus A.*

39.5

Total hours on
duty last 8 days,
including today

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today

B.
Total hours
available
tomorrow,
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

DRIVER'S DAILY LOG

(24 HOURS)

02 / 11 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday

13.5

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Jose Dominguez

Driver's Full Signature

Co-Driver's Name

70 Hour/
8 Day
Drivers

39.5

Total hours on
duty last 7 days,
including today

30.5

Total hours
available
tomorrow,
70 hr. minus A.*

39.5

Total hours on
duty last 8 days,
including today

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today

B.
Total hours
available
tomorrow,
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

244 244
Total Miles Driving Today Total Mileage Today

278-269-261

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

38407
38651

SHIPPING
DOCUMENTS:

B/L or Manifest No.

or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

02, 12, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

70 Hour/
8 Day
Drivers

Total hours on
duty last 7 days,
including today.

Total hours
available
tomorrow.
70 hr. minus A.*

Total hours on
duty last 7 days,
including today.

60 Hour/
7 Day
Drivers

Total hours on
duty last 6 days,
including today.

Total hours
available
tomorrow.
60 hr. minus A.*

Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



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1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)

REMARKS

off duty

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL



DRIVER'S DAILY LOG

(24 HOURS)

02 / 13 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Jose Dominguez

Driver's Full Signature

Co-Driver's Name

70 Hour /
8 Day
Drivers

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 8 days,
including today.

60 Hour /
7 Day
Drivers

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again

601-L



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SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

off duty

EPAHO041000832



DRIVER'S DAILY LOG

(24 HOURS)

02, 14, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Jose Dominguez

Driver's Full Signature

Co-Driver's Name

70 Hour/
8 Day
Drivers

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



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SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported to and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

off duty

EPAHO041000833



DRIVER'S DAILY LOG

(24 HOURS)

02/15/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Jose Dominguez

Driver's Full Signature

Co-Driver's Name

70 Hour/
8 Day
Drivers

A. Total hours on duty last 7 days, including today:

70

B. Total hours available tomorrow, 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/
7 Day
Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow, 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

601-L



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none none
Total Miles Driving Today Total Mileage Today

n/a
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									0
3. DRIVING																									0
4. ON DUTY (NOT DRIVING)																									0

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																									24

off duty

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

EPAHO041000834



DRIVER'S DAILY LOG

(24 HOURS)

02 / 16 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days.

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Jose Dominguez

Driver's Full Signature

Co-Driver's Name

278-258-268

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

[38837
39042

SHIPPING

DOCUMENTS:

81481

B/L or Manifest No.

or 81486

Shipper & Commodity

81453 From:

Port Arthur, Tx

Pasadena, Tx

Port Arthur, Tx

Port Arthur, Tx

To: Pasadena, Tx

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

10
On-duty hours
today (Total
lines 3 & 4)
70 Hour/
8 Day
Drivers
10
Total hours on
duty last 7 days,
including today.

B. 60
Total hours
available
tomorrow.
70 hr. minus A.*

C. 10
Total hours on
duty last 7 days,
including today.

60 Hour/
7 Day
Drivers

24



DRIVER'S DAILY LOG

(24 HOURS)

02, 17, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECA
Complete at
end of work day

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Jose Dominguez

Driver's Full Signature

Co-Driver's Name

70 Hour/
8 Day
Drivers

A. 22

Total hours on
duty last 7 days,
including today.

B. 48

Total hours
available
tomorrow,
70 hr. minus A *

C. 22

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow,
60 hr. minus A *

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

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232 232
Total Miles Driving Today Total Mileage Today

278-420-258

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									12
2. SLEEPER BERTH																									0
3. DRIVING																									6
4. ON DUTY (NOT DRIVING)																									6

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																									24

39042
39274
SHIPPING DOCUMENTS:
81440
B/L or Manifest No.
or 81439
Shipper & Commodity
81441 From: Port Arthur, TX To: Winnie, TX



DRIVER'S DAILY LOG

(24 HOURS)

02, 18, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

424 424
Total Miles Driving Today Total Mileage Today

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

278-1264-267

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS
MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

39460
39884

SHIPPING
DOCUMENTS:

B/L or Manifest No.
81404

or
81415
Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

36

Total hours on
duty last 7 days,
including today.

34

Total hours
available
tomorrow.
70 hr. minus A.*

36

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

24



DRIVER'S DAILY LOG

(24 HOURS)

02, 19, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Jose Dominguez

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

12
On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. 48
Total hours on
duty last 7 days,
including today.

B. 22
Total hours
available
tomorrow.
70 hr. minus A.*

C. 48
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



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USE TIME STANDARD AT HOME TERMINAL

278-267
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									12
2. SLEEPER BERTH																									0
3. DRIVING																									5
4. ON DUTY (NOT DRIVING)																									7

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
REMARKS																									24

[39 884
40 097

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

Port Arthur, TX
De Ridder, LA
Port Arthur, TX

(24 HOURS)

02 / 20 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

**70 Hour/
8 Day
Drivers**

A. 62
Total hours on duty last 7 days, including today.

B. 8
Total hours
available
tomorrow.
70 hr. minus A.*

c. 62
Total hours on
duty last 8 days,
including today.
60 Hour /

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

***If you took 34 consecutive hours off duty, you have 60/70 hours available again.**

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425
425
 Total Miles Driving Today Total Mileage Today

278-267

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									10
2. SLEEPER BERTH																									0
3. DRIVING																									8.5
4. ON DUTY (NOT DRIVING)																									5.5

REMARKS

[40 097
40522

**SHIPPING
DOCUMENTS:**

81602
B/L or Manifest No.
or 81600
Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL



DRIVER'S DAILY LOG

(24 HOURS)

02 / 21 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

On-duty hours
today. Total
times 3 & 4)

70 Hour/
8 Day
Drivers

A. 69
Total hours on
duty last 7 days,
including today.

B. 1
Total hours
available
tomorrow.

C. 69
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Jose Dominguez

Driver's Full Signature

Co-Driver's Name

278-267

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

40522
40734

SHIPPING
DOCUMENTS:

81605
B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

02 / 22 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Jose Dominguez

Driver's Full Signature

Co-Driver's Name

none none
Total Miles Driving Today Total Mileage Today

n/a
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

70 Hour/
8 Day
Drivers

A. 0
Total hours on
duty last 7 days,
including today.

B. 70
Total hours
available
tomorrow.
70 hr. minus A.*

C. 0
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A. 0
Total hours on
duty last 6 days,
including today.

B. 0
Total hours
available
tomorrow.
60 hr. minus A.*

C. 0
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									0
3. DRIVING																									0
4. ON DUTY (NOT DRIVING)																									0

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
REMARKS																									24

off duty

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Port Arthur, Tx

To:

Port Arthur, Tx

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 / 16 / 09
(Month) (Day) (Year)

Original - File at home terminal.
Duplicate - Driver retains in his/her possession for eight days.

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Mark W. McKeon

Driver's Full Signature

Co-Driver's Name

70 Hour / 5 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow, 70 hr. minus A.

C. Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow, 60 hr. minus A.

C. Total hours on duty last 7 days, including today.

*If you took 24 consecutive hours off duty, you have 60/70 hours available again.

601-L



Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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EPAHO041000842



DRIVER'S DAILY LOG

(24 HOURS)

2 124 07
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Charles E. Sheppard

Driver's Full Signature

N/A

Co-Driver's Name

On-duty hours
today. Total
lines 3 & 4.

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hours minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
60 hours minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 69.70
hours available
again.

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

1.5
-
-
9

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 / 25 / 07
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Charles H. Johnson

N/A

Driver's Full Signature

Co-Driver's Name

On-duty hours
today. Total
lines 3 & 4.

**70 Hour/
8 Day
Drivers**

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

24

-

-

-

24

OFF DUTY 24 HR
PORT ARTHUR TX

2-25-07
THU

2-26-07

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 / 27 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete end of workday

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

70 Hour/
8 Day
Drivers

Total Miles Driving Today

Total Mileage Today

285 / 266

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

7

4

4 1/4

8 3/4

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

60 Hour/
7 Day
Drivers

SHIPPING
DOCUMENTS:

81937

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: PORT ARTHUR, TEXAS To: DERIDDER, LA

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

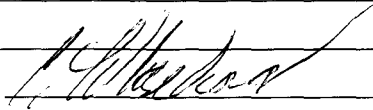
DATE: 2-27-09 TRACTOR/TRUCK NO.: 285 TRAILER(S) NO.(S): 168

APPROPRIATE
CHECK
DATE

☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: 

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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DRIVER'S DAILY LOG

(24 HOURS)

7/28/07
(Month) (Day) (Year)

Original - file at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

Total Miles Driving Today

Total Mileage Today

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.

C.
Total hours on
duty last 7 days,
including today.

If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

82180
B/L or Manifest No.
or

Shipper & Commodity

From: PORT ARTHUR TX To: PORT ARTHUR TX
Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS, I SUBMIT THE FOLLOWING:

DATE: 7-28-09 TRACTOR/TRUCK NO.: 285 TRAILER(S) NO.(S): 237

APPROPRIATE
CHECKBOX

- ☒ I detect no defect or deficiency in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.
- ☐ I detect the following defects or deficiencies in this motor vehicle as would be likely to affect the safety of its operation or result in its mechanical breakdown.

Indicate whether defects are on **TRACTOR/TRUCK** or **TRAILER** - Use sufficient detail to locate for mechanic.

DRIVER'S SIGNATURE: [Signature]

☐ Above defects corrected

☐ Above defects need not be corrected for safe operation of vehicle

MECHANIC'S SIGNATURE: _____

DRIVER'S SIGNATURE: _____

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02 / 0 / 09
Month Day Year

Duplicate - Driver retains in his/her possession for eight days

RECAP
 completion
 end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

What Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

11. Home Terminal address

Total Miles Driving Today Total Time in Traffic Today

370 370

273/8177/208/LT-1047

fy these entries are true and

By Brent Ditty
Driver's Full Signature

Driver's Full Signature

Co-Driver's Name

**TOTAL
HOURS**

OF DUTY

2. SLEEPER
3. RYAN

4 5611AC

4. ON DUTY

MD-
NIGHT

REMARKS

8127
80897

SHIPPING
DOCUMENTS:

B/L or Manifest No.
OF

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred

USE TIME STANDARD AT HOME TERMINAL

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A.	
Year	Days
1990	10
1991	10
1992	10
1993	10
1994	10
1995	10
1996	10
1997	10
1998	10
1999	10
2000	10
2001	10
2002	10
2003	10
2004	10
2005	10
2006	10
2007	10
2008	10
2009	10
2010	10
2011	10
2012	10
2013	10
2014	10
2015	10
2016	10
2017	10
2018	10
2019	10
2020	10
2021	10
2022	10
2023	10
2024	10
2025	10
2026	10
2027	10
2028	10
2029	10
2030	10
2031	10
2032	10
2033	10
2034	10
2035	10
2036	10
2037	10
2038	10
2039	10
2040	10
2041	10
2042	10
2043	10
2044	10
2045	10
2046	10
2047	10
2048	10
2049	10
2050	10
2051	10
2052	10
2053	10
2054	10
2055	10
2056	10
2057	10
2058	10
2059	10
2060	10
2061	10
2062	10
2063	10
2064	10
2065	10
2066	10
2067	10
2068	10
2069	10
2070	10
2071	10
2072	10
2073	10
2074	10
2075	10
2076	10
2077	10
2078	10
2079	10
2080	10
2081	10
2082	10
2083	10
2084	10
2085	10
2086	10
2087	10
2088	10
2089	10
2090	10
2091	10
2092	10
2093	10
2094	10
2095	10
2096	10
2097	10
2098	10
2099	10
2100	10
2101	10
2102	10
2103	10
2104	10
2105	10
2106	10
2107	10
2108	10
2109	10
2110	10
2111	10
2112	10
2113	10
2114	10
2115	10
2116	10
2117	10
2118	10
2119	10
2120	10
2121	10
2122	10
2123	10
2124	10
2125	10
2126	10
2127	10
2128	10
2129	10
2130	10
2131	10
2132	10
2133	10
2134	10
2135	10
2136	10
2137	10
2138	10
2139	10
2140	10
2141	10
2142	10
2143	10
2144	10
2145	10
2146	10
2147	10
2148	10
2149	10
2150	10
2151	10

B.

Udall County
Adrian
Oregon 97
70 mi. south of A.

C. Total hours on duty last 8 days, including today.

**60 Hour/
7 Day
Drivers**

A. _____
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A. *

C. _____
Total hours on
duty last 7 days,
including today.

If you took 34 consecutive hours off duty you have 60/70 hours available again.

601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 / 2 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

John F. [Signature]

Driver's Full Signature

Co-Driver's Name

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 / 3 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

John P. ...

Driver's Full Signature

Co-Driver's Name

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

210
Total Miles Driving Today

210
Total Mileage Today

2003/208

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

CES PA

New Pack

CES PA

New Pack

CES PA

Fuel
drange tx

SHIPPING
DOCUMENTS: 80766
80767

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and which and where each change of duty occurred.

To:

601-L



USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 4 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

JOAN FRIAS

Driver's Full Signature

Co-Driver's Name

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

465 465
Total Miles Driving Today Total Mileage Today

2003/267

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

VI
Orange tx
KMTex
CES PA

Boise
DE 21142

KMTex

Boise
DE 21142

CES PA

SHIPPING DOCUMENTS:

B/L or Manifest No. 80646
or 80657

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred

From:

ORANGE TX

To:

Port Arthur TX

601-L



USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 5 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

On-duty hours
today: (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



601-L

SHIPPING
DOCUMENTS:

80664

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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EPAHQ041000853



DRIVER'S DAILY LOG

(24 HOURS)

2 / 6 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Susan F. I. M.

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

2003 / 255

Total Miles Driving Today

Total Mileage Today

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

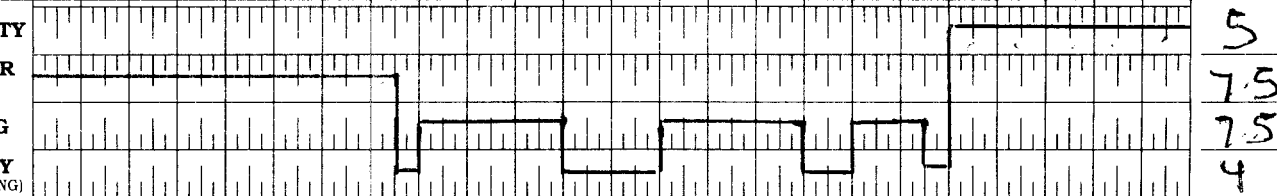
1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS



REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

Houston TX
Corpus Christi
Fueled at Victoria TX
CES Houston TX

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 / 7 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Susan F. [Signature]

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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EPAHQ041000855



DRIVER'S DAILY LOG

(24 HOURS)

2 / 11 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

280

280

Total Miles Driving Today

Total Mileage Today

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

John F. ...

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

2003/420

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

9

7.5

7.5

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

24

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

2 / 12 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Joan Evans

Driver's Full Signature

Co-Driver's Name

On-duty hours
today: (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

567 567
Total Miles Driving Today Total Mileage Today

2003/2815

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

55

12

4

24

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

CESV4
105421
Der Park

Fuel
ATOKA

Fireplace
TX

SHIPPING
DOCUMENTS:

80961

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

Houston TX

To:

Fireplace TX

601-L



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DRIVER'S DAILY LOG

(24 HOURS)

2 / 13 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Donna F. King
Driver's Full Signature

Co-Driver's Name

On-duty hours
today: (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow:
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow:
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

460 460
Total Miles Driving Today Total Mileage Today

2003 / 2815

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

8
10
6

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

24

independence

system
freedoms

Fuel
Galena OK

Parker

SHIPPING
DOCUMENTS:

86961

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

INdependence KS.

To:

Dallas TX

601-L



USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S DAILY LOG

(24 HOURS)

2, 14, 08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

2003/2815

Total Miles Driving Today

Total Mileage Today

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									9.5
2. SLEEPER BERTH																									8
3. DRIVING																									5.5
4. ON DUTY (NOT DRIVING)																									1
REMARKS																									24

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP
Complete at
end of workday.

On-duty hours
today. (Total
times 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.





DRIVER'S DAILY LOG

(24 HOURS)

2, 15, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

[Signature]

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									
2. SLEEPER BERTH																									
3. DRIVING																									
4. ON DUTY (NOT DRIVING)																									

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	
REMARKS																									

SHIPPING
DOCUMENTS:

Manifest No.

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

TIME STANDARD AT HOME TERMINAL

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601-L



On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow, 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow, 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

2 / 16 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

290

290

Total Miles Driving Today

Total Mileage Today

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

June Fri 11

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

2003/420

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

11.5

B.
Total hours
available
tomorrow.
70 hr. minus A.*

7

C.
Total hours on
duty last 8 days,
including today.

55

**60 Hour/
7 Day
Drivers**

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

24

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

REMARKS

CES vt
Houston
PACES
USOIC
Recovery
CES
Houston
Relocated to PA
CES PA

SHIPPING
DOCUMENTS:

81482

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

Houston TX

To:

Port of Houston TX

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 / 17 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

Total Miles Driving Today

Total Mileage Today

2003/1264

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct:

JOHN FRIAS

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

10.5

6

7.5

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

PACES

NEW PARK

PACES

NEW PARK

PACES

CES H.

SHIPPING
DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

From:

Port Arthur Tx.

To:

Houston Tx

USE TIME STANDARD AT HOME TERMINAL

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A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.





DRIVER'S DAILY LOG

(24 HOURS)

2, 18, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

DRIVER'S DAILY LOG

(24 HOURS)

2, 18, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

2003/255

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									5.5
2. SLEEPER BERTH																									4.5
3. DRIVING																									7.5
4. ON DUTY (NOT DRIVING)																									6.5

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
REMARKS																									2.4

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 / 19 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

428

428

Total Miles Driving Today

Total Mileage Today

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

2003/255

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Jose Elias

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

10.5

11.5

2

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

RT Pine Bluff

Full Lunch
Sleeping

CES PA

SHIPPING
DOCUMENTS:

81587

B/L or Manifest No.
or

Shipper & Commodity

From:

Pine Bluff MS

To:

Port Arthur TX

601-L



USE TIME STANDARD AT HOME TERMINAL

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A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow:
70 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow:
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

2 / 20 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Signature

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

24

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

24

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

EPAHO041000865



DRIVER'S DAILY LOG

(24 HOURS)

2 / 24 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

John F. F. F.

Driver's Full Signature

Co-Driver's Name

On-duty hours
today (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again

280

280

Total Miles Driving Today

Total Mileage Today

2003/12/18

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

5.5

6.5

6.5

5.5

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

2.4

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

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601-L



(24 HOURS)

320

320

Total Miles Driving Today

Total Mileage Today

2003/923

**Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)**

Driver's Full Signature

Co-Driver's Name _____

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

SHIPPING DOCUMENTS

B/L or Manifest No.

۱۲

Tipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

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RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A. _____
Total hours on
duty last 7 days,
including today.

B.

Total hours
available
tomorrow. *

70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. _____
Total hours on
duty last 6 days,
including today.

B.

Total hours
available
tomorrow.
60 hr. minus A.*

C. _____
Total hours on
duty last 7 days,
including today.

***If you took 34 consecutive hours off duty, you have 60/70 hours available again.**



601-L



DRIVER'S DAILY LOG

(24 HOURS)

2 / 26 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

John F. ...

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow:
70 hr. minus A.*

C.
Total hours on
duty last 6 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow:
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

320

Total Miles Driving Today

320

Total Mileage Today

2003/1264

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

601-L



USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 27 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

186

180

Total Miles Driving Today

Total Mileage Today

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

June 27, 2009

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

2003/

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									17
2. SLEEPER BERTH																									
3. DRIVING																									5
4. ON DUTY (NOT DRIVING)																									2

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
REMARKS																									24

CES P/O truck

CES

Porter's

CES

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

Houston TX

To:

Houston TX

601-L



USE TIME STANDARD AT HOME TERMINAL

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A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

2, 28, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

320

Total Miles Driving Today

320

Total Mileage Today

2003/261

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

8.5

11.5

4

24

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

CES

PACES

Base

DeRidder

PACES

DeRidder

PACES

SHIPPING
DOCUMENTS:

81940
81941

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

Houston TX

To:

HOUSTON TX

601-L



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DRIVER'S DAILY LOG

(24 HOURS)

2 / 1 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

2006

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								24

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								24

m+Belview Tx

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow, 60 hr. minus A.

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

60 Hour/
7 Day
Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow, 70 hr. minus A.

C. Total hours on duty last 8 days, including today.

60 Hour/
7 Day
Drivers

EPAHQ041000871



DRIVER'S DAILY LOG

(24 HOURS)

2 12 09
(Month) (Day) (Year)

Original - File at home terminal.
Duplicate - Driver retains in his/her possession for 7 days.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday

13.75

Calculate hours
today, load
lines 5, 8, 4

70 Hour/
8 Day
Drivers

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow,
70 hr minus A.

C. Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow,
60 hr. minus A.

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60.75
hours available
again.



601-L

SHIPPING DOCUMENTS:

80705, 80700

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: M+B Belview TX

To: Port Arthur TX

USE TIME STANDARD AT HOME TERMINAL

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1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								5.75
																								4.5
																								4.75
																								9

M+B Belview TX

Port Arthur TX
TX 267 load

Winnie TX

Port Arthur TX
load

Winnie TX
unload

Port Arthur TX



DRIVER'S DAILY LOG

(24 HOURS)

2 3 109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains

REG-AT
Last 7 days

13.75

70 Hour/
8 Day
Drivers

27.5

Total hours on
duty last 7 days,
including today.

42.5

Total hours
available
tomorrow,
70 hr. minus A.*

27.5

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow,
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

John E. Hitz
Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

2006 267

Total Miles Driving Today Total Mileage Today

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:

80764, 80763
/L or Manifest No.

W/W
Upper & Commodity

From: Port Arthur Tx To: Winnie Tx

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 / 4 / 07
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

12.5
70 Hour / 8 Day Drivers

166

Total Miles Driving Today

Total Mileage Today

2006-208 423 848

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

I certify these entries are true and correct:

[Signature]

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

2

9.5

4.75

7.75

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

Port Arthur Tx
Winnie Tx
Port Arthur Tx
C.O.S.
Nederland
Tulsa
Port Arthur Tx
Nederland
Port Arthur Tx
Winnie Tx
Port Arthur Tx

SHIPPING DOCUMENTS:

80909

B/L or Manifest No.

or w/w

Shipper & Commodity

From: Port Arthur Tx

To: Winnie Tx

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours available tomorrow 70 hr. minus A.
C. Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow 60 hr. minus A.

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60.70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

2, 6, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

RECAP

14.25

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14.25

228
Total Miles Driving Today

Total Mileage Today

2006 268, 848
208, 11047, 127238

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

1267

certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

4

525

6

8.25

24

B. Total hours available tomorrow, 60 hrs. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow, 60 hrs. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/76 hours available again.

SHIPPING DOCUMENTS:

81050, 81046, 80655, 81043, 81012

B/L or Manifest No. or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: Port Arthur TX

To: Houston TX

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2/8/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

[Signature]

Driver's Full Signature

Co-Driver's Name

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 68-70
hours available
again.

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

Houston TX

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 / 9 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

14

On-duty hours
Today: 14
Lines 3 & 4

70 Hour/
7 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow:
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 8 days,
including today.

B.
Total hours
available
tomorrow:
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60-70
hours available
again.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

257

Total Miles Driving Today

Total Mileage Today

2006 #23 208

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

81136, 81090

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work, and when and where each change of duty occurred.

Houston TX

To:

Port Arthur TX

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 / 10 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for 60 days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

NECAP

Company

13.75

Total hours on duty last 7 days, including today.

76 Hours / 7 Day Drivers

27.75

Total hours on duty last 6 days, including today.

40.25

Total hours available tomorrow, 60 hr. minus A *

60 Hour / 7 Day Drivers

A.

Total hours on duty last 6 days, including today.

B.

Total hours available tomorrow, 60 hr. minus A *

C.

Total hours on duty last 7 days, including today.

If you took 34 consecutive hours off duty, you have 60.70 hours available again.

601-L

MADE WITH PAPER

IN U.S.A.

601-L

601-L

601-L

601-L

601-L

601-L

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220

Total Miles Driving Today

Total Mileage Today

2006 208,261,1047

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

268, 255

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

SHIPPING DOCUMENTS:

81149, 81143

B/L or Manifest No.

or 81152

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: Port Arthur Tx

To: Houston Tx

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 / 11 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for 7 days

REGULAR
as to 11:00
and 12:00 noon

13.25

Driver's name
and company
lines and

76 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today

B.
Total hours
available
tomorrow,
66 hr. minus A.

C.
Total hours on
duty last 7 days,
including today

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 7 days,
including today

B.
Total hours
available
tomorrow,
66 hr. minus A.

C.
Total hours on
duty last 7 days,
including today

*If you took
34 consecutive
hours off duty,
you have 66/70
hours available
again

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

2006 1047

Total Miles Driving Today

Total Mileage Today

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

6.25
4.5
5.5
7.75

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

24

SHIPPING
DOCUMENTS:

81206 81205

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: La Porte TX

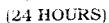
To: Port Arthur TX

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601-L





Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

**70 Hour
8 Day
Drivers**

2006 239, 208, 423

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

A. Total hours on duty last 7 days including travel

Total hours available tomorrow, (7) hr. minus A

c. Total hours on duty last 8 days including today

**60 Hour,
7 Day
Drivers**

A. Total hours on duty last 6 days including today

B.
Total hours
available
tomorrow.
60 hr. minus A.

C. _____
Total hours on
duty last 7 days
including today

*If you took 34 consecutive hours off duty, you have 607½ hours available again.

**SHIPPING
DOCUMENTS:**

81377, 81378, 81379

B/L or Manifest No.

OF 81385

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 / 14 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.

C.
Total hours on
duty last 7 days,
including today.

*If you took
24 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today 2006 Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									
3. DRIVING																									
4. ON DUTY (NOT DRIVING)																									

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																									24

La Porte Tx

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 / 15 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of work-day.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

[Signature]

Driver's Full Signature

Co-Driver's Name

70 Hour/
8 Day
Drivers

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.

C. Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.

C. Total hours on
duty last 7 days,
including today.

If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today 2 Total Mileage Today 2

2006

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

La Porte Tx

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: La Porte Tx

To: La Porte Tx

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 / 16 / 09
(Month) (Day) (Year)

Original - File at home terminal.
Duplicate - Driver retains in his/her possession for eight days.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address
4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at end of workday.

12
Overtime hours today (Total times 3 & 4)

70 Hour / 8 Day Drivers

A. 12
Total hours on duty last 7 days, including today.

B. 58
Total hours available tomorrow, 70 hr. minus A.*

C. 2.5
Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

A. 24
Total hours on duty last 6 days, including today.

B. 34
Total hours available tomorrow, 60 hr. minus A.*

C. 34
Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60-70 hours available again.

87
Total Miles Driving Today Total Mileage Today

2006 423
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									7
2. SLEEPER BERTH																									5
3. DRIVING																									2.5
4. ON DUTY (NOT DRIVING)																									9.5

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																									24

La Porte TX 81432
Port Arthur TX 81433
KMTX load CES unit
KMTX load CES unit
KMTX load CES unit
Port Arthur TX

SHIPPING DOCUMENTS:

81432, 81433

B/L or Manifest No.

or 81434

Shipper & Commodity

From: La Porte TX To: Port Arthur TX

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DRIVER'S DAILY LOG

(24 HOURS)

2 117 109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

[Signature]
Driver's Full Signature

Co-Driver's Name

2006 268 239

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:

81488, 81489

B/L or Manifest No.

or 81526

Shipper & Commodity

From: Port Arthur TX To: Port Arthur TX

USE TIME STANDARD AT HOME TERMINAL

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RECAP
Complete at
end of workday.

14
On-duty hours
today (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow
70 hr. minus A.

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow
60 hr. minus A.

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



601-L



DRIVER'S DAILY LOG

(24 HOURS)

2 / 18 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

11
On duty hours
today: Total
Miles 3 & 4)

70 Hour/
8 Day
Drivers

A. 38
Total hours on
duty last 7 days,
including today

B. 10
Total hours
available
tomorrow,
70 hr. minus A.

C. 62.5
Total hours on
duty last 8 days,
including today

60 Hour/
7 Day
Drivers

A. 24
Total hours on
duty last 7 days,
including today

B. 10
Total hours
available
tomorrow,
60 hr. minus A.

C. 62.5
Total hours on
duty last 7 days,
including today

*If you took
34 consecutive
hours off duty,
you have 60-70
hours available
again.

601-L



SHIPPING DOCUMENTS:

8159381459

B/L or Manifest No.

or 81460

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

Port Arthur TX

To:

Winnipeg TX

USE TIME STANDARD AT HOME TERMINAL

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	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									3
2. SLEEPER BERTH																									10
3. DRIVING																									6.25
4. ON DUTY (NOT DRIVING)																									5.75

REMARKS

Port Arthur TX
Winnipeg TX
Port Arthur TX
Winnipeg TX
Port Arthur TX
Winnipeg TX
Port Arthur TX
Winnipeg TX

(24 HOURS)

2 / 19 / 07
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

On-duty hours
today: (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
GUY is 7 hrs,
including today

Total hours available
unemployed
70 hr. minus A.⁸

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. _____
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C. _____
Total hours on
duty last 7 days,
including today.

‘If you took 34 consecutive hours off duty, you have 60-70 hours available again.’

601-L



**SHIPPING
DOCUMENTS:**

B/L or Manifest No.

OF 81685

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 20 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

14
On-duty hours
today, including
times 2 & 4

**70 Hour/
8 Day
Drivers**

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

4

6

7

7

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A *

C. Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A *

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60.70
hours available
again.

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

24

SHIPPING
DOCUMENTS:

81767, 81765

B/L or Manifest No.

or 81766

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

Port Arthur

To:

LaPorte TX

601-L



USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S DAILY LOG

(24 HOURS)

2 / 21 / 09
(Month) (Day) (Year)

Original - File at home terminal.
Duplicate - Driver retains in his/her possession for eight days.

RECAP
Complete at
end of workday.

2

On-duty hours
today: Total
lines 5 & 4j

**70 Hour/
8 Day
Drivers**

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

[Signature]

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

22

A. Total hours on
duty last 7 days,
including today

B. Total hours
available
tomorrow:
70 hr. minus A.

C. Total hours on
duty last 8 days,
including today

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 6 days,
including today

B. Total hours
available
tomorrow:
60 hr. minus A.

C. Total hours on
duty last 7 days,
including today

If you took
34 consecutive
hours off duty,
you have 60-70
hours available
again.

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported to and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



(24 HOURS)

2 / 22 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

A. Total hours on duty last 7 days, including today

B.	Total hours available tomorrow.
	70 hr. minus A.*

c. Total hours on duty last 8 days, including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.

Total hours
available
tomorrow
60 hr. minus A.*

C. _____
Total hours on
duty last 7 days,
including today.

*If you took 34 consecutive hours off duty, you have 66-70 hours available again.



601-L

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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**SHIPPING
DOCUMENTS:**

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S DAILY LOG

(24 HOURS)

2, 23, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

J. L. Smith
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

14
On-duty hours
today (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today

B.
Total hours
available
tomorrow:
70 hr. minus A *

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow:
60 hr. minus A *

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 6070
hours available
again.

398

Total Miles Driving Today

Total Mileage Today

2006 423

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

81817, 81818

B/L or Manifest No.

81819, 81843

Shipper & Commodity

From:

LaPorte TX

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

Port Arthur TX

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 24 109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

John E. North
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

12

Today's hours
today. Total
(lines 5 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 8 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty
you have 60-70
hours available
again.

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

SHIPPING
DOCUMENTS:

81893, 81894

B/L or Manifest No.

or 81895, 81896

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: Port Arthur Tx

To: Winnie Tx

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 25 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

John E. Morris
Driver's Full Signature

Co-Driver's Name

RECAP

Complete at end of workday

13.5

On duty hours today, Total lines 3 & 4

70 Hour/8 Day Drivers

A. 39.5

Total hours on duty last 7 days, including today

B. 30.5

Total hours available tomorrow, 70 hr. minus A

C. 9.75

Total hours on duty last 8 days, including today

60 Hour/7 Day Drivers

A. 24

Total hours on duty last 7 days, including today

B. 60

Total hours available tomorrow, 60 hr. minus A

C. 34

Total hours on duty last 7 days, including today
*If you took 34 consecutive hours off duty, you have 60/70 hours available again

180

Total Miles Driving Today

Total Mileage Today

2006 258

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

SHIPPING DOCUMENTS:

82007, 82006
B/L or Manifest No.

or 82005

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: Port Arthur TX

To: Winnie TX

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 126 109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

John S. [Signature]
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

11.5

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.

C.
Total hours on
duty last 7 days,
including today.

If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

2.5
10
5
6.5
24

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:

82057, 82058

B/L or Manifest No.

82059, 82063

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: Port Arthur Tx

To: Winnie Tx

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 / 27 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

RECAP
Complete at
end of workday.

14

On-duty hours
today, (Total
lines 2 & 4)

70 Hour/
8 Day
Drivers

A. 6.5
Total hours on
duty last 7 days,
including today.

B. 5
Total hours
available
tomorrow
70 hr. minus A.*

C. 6.5
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
24 consecutive
hours off duty,
you have 60/70
hours available
again.

308
Total Miles Driving Today Total Mileage Today

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

2006 258
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct:

John A. King
Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

SHIPPING
DOCUMENTS:

82113, 82112

B/L or Manifest No.

or 82114

Shipper & Commodity

From: Port Arthur Tx To: LaPorte Tx

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 / 28 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days.

RECAP
Complete at
end of workday.
0

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

70 Hour/
8 Day
Drivers

A. 65

Total hours on
duty last 7 days,
including today.

B. 5

Total hours
available
tomorrow
70 hr. minus A.

C. 65

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow
60 hr. minus A.

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60-70
hours available
again.

601-L



USE TIME STANDARD AT HOME TERMINAL

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EPAHO041000898



DRIVER'S DAILY LOG

(24 HOURS)

2, 1, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

Total Miles Driving Today

Total Mileage Today

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



OFF Duty



DRIVER'S DAILY LOG

(24 HOURS)

2 2, 89
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Carl [Signature]
Driver's Full Signature

Co-Driver's Name

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



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EPAHO041000900

DRIVER'S DAILY LOG

(24 HOURS)

2/5

Total Miles Driving Today	Total Mileage Today
100	100
100	200
100	300
100	400
100	500
100	600
100	700
100	800
100	900
100	1000

2, 3, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.

Total hours
available
tomorrow. *

70 hr. minus A.*

C. _____
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. _____
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

***If you took 34 consecutive hours off duty, you have 60/70 hours available again.**

285 HT 1047

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
-----------	---	---	---	---	---	---	---	---	---	----	----	------	---	---	---	---	---	---	---	---	---	----	----	-------------

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11
-----------	---	---	---	---	---	---	---	---	---	----	----	------	---	---	---	---	---	---	---	---	---	----	----

REMARKS

**SHIPPING
DOCUMENTS:**

80 645

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

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601-L



DRIVER'S DAILY LOG

(24 HOURS)

2, 4, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Charles Crawford
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days.

601-L



80668
80851

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								12
																								0
																								6.75
																								5.45

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								24

San Antonio TX
Don't know
10:14
San Antonio TX
CES yard
Kim Lee
Don't know TX
Positive Caseload
Don't know TX
San Antonio TX
Don't know TX

Enter name of place you reported and where released from work and when and where each change of duty occurred.



DRIVER'S DAILY LOG

(24 HOURS)

2, 5, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Carl Thompson
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

314
Total Miles Driving Today Total Mileage Today

285 269
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

SHIPPING
DOCUMENTS:

W/L or Manifest No.
or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S DAILY LOG

(24 HOURS)

2, 6, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Carl [Signature]
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

439

Total Miles Driving Today

Total Mileage Today

285

269

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

SHIPPING
DOCUMENTS:

80642

B/L or Manifest No.
or

80667

Shipper & Commodity

From: Port Arthur TX To: Denison LA

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2, 7, 8, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

**70 Hour/
8 Day
Drivers**

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT

1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

TOTAL
HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT

1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

TOTAL
HOURS

REMARKS

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2, 9, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

RECAP Complete at end of workday.

On-duty hours today. (Total lines 3 & 4)

70 Hour/ 8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/ 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

SHIPPING DOCUMENTS

B/L or Manifest No. or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L

(24 HOURS)

2, 10, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

247

Total Miles Driving Today	Total Mileage Today
100	100
100	200
100	300
100	400
100	500
100	600
100	700
100	800
100	900
100	1000

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

285 269

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

Driver's Full Signature

Co-Driver's Name

A.
Total hours on
duty last 7 days,
including today.

B.

Total hours
available
tomorrow. *

70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A: _____
Total hours on
duty last 6 days,
including today.

B.

Total hours
available
tomorrow.

60 hr. minus A.*

C. _____
Total hours on
duty last 7 days,
including today.

***If you took 34 consecutive hours off duty, you have 60/70 hours available again.**

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

**SHIPPING
DOCUMENTS:**

81039

B/L or Manifest No.

or 8095

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S DAILY LOG

(24 HOURS)

2, 11, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Paul [Signature]

Driver's Full Signature

Co-Driver's Name

**70 Hour/
8 Day
Drivers**

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

798 LT 473

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:

80893

B/L or Manifest No.
or

Shipper & Commodity

From: Pon

Enter name of place you reported and where released from work and when and where each change of duty occurred

To: Decker LA

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 / 12 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Chris Crawford
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 6 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

SHIPPING
DOCUMENTS:

81242
B/L or Manifest No.

81243
Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2, 13, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

2, 14, 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Paul G. Goff
Driver's Email Signature

Co-Driver's Name

On duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

DRIVER'S DAILY LOG

(24 HOURS)

233

Total Miles Driving Today

Total Mileage Today

285

268

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Driver's Email Signature

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

B/L or Manifest No.

81366

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 11 109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									0
3. DRIVING																									0
4. ON DUTY (NOT DRIVING)																									0
REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	24

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: To:

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EPAHQ041000912



DRIVER'S DAILY LOG

(24 HOURS)

212 108
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Jose Mendez
Driver's Full Signature

Co-Driver's Name

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

444

Total Miles Driving Today

Total Mileage Today

2001-LT638

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

6.5
3.5
8.25
5.25

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

24

SHIPPING
DOCUMENTS:

80638

B/L or Manifest No.

or

80650

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 13 109
(Month) (Day) (Year)

Original - File at home terminal.
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Juan Mendez
Driver's Full Signature

Co-Driver's Name

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.*

C. Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.*

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

428

Total Miles Driving Today

Total Mileage Today

2001-LT638
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:

80639

B/L or Manifest No.
or

80652

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

02 4 109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Juan Martinez
Driver's Full Signature

Co-Driver's Name

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

428
Total Miles Driving Today

Total Mileage Today

2001-LT635
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:

80640
B/L or Manifest No.
or
80653

Shipper & Commodity

Enter name of place you reported to and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

215 109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Juan M. Lopez

Driver's Full Signature

Co-Driver's Name

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

428
Total Miles Driving Today

Total Mileage Today

2001-LT638

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:

80641

B/L or Manifest No.

or 80654

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S DAILY LOG

(24 HOURS)

216109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Juan Morales
Driver's Full Signature

Co-Driver's Name

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



SHIPPING
DOCUMENTS:

81018

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								5
																								5.75
																								11
																								2.25

REMARKS

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								24

Port Arthur, Tx

Bogalusa, La

Port Arthur, Tx



DRIVER'S DAILY LOG

(24 HOURS)

(Month) / (Day) / (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Juan Mendez
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

24

0

0

0

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

24

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: _____ To: _____

USE TIME STANDARD AT HOME TERMINAL

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off Duty
Port Arthur Tx
2-7-09
2-8-09

601-L





DRIVER'S DAILY LOG

(24 HOURS)

21 9 109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

2001 - LT 638

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

B/L or Manifest No.

or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S DAILY LOG

(24 HOURS)

2110 109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Juan Mungo
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

428

Total Miles Driving Today

Total Mileage Today

2001-LT638

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

0
10
8.75
5.25

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

24

SHIPPING
DOCUMENTS:

80886

B/L or Manifest No.

or

80880

Shipper & Commodity

Port Arthur, Tx
De Ridder, La
Burr, Tx
Port Arthur, Tx
De Ridder, La
Port Arthur, Tx

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 / 11 / 05
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days.

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Juan Mendez

Driver's Full Signature

Co-Driver's Name

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

© Copyright 2005 & Published by J. J. KELLER & ASSOCIATES, INC.

425
Total Miles Driving Today

Total Mileage Today

2001 - LT 638
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

80887

B/L or Manifest No.

or 80881

Shipper & Commodity

Port Arthur, Tx

De Ridder, La

Port Arthur, Tx

De Ridder, La

Orange, Tx

Port Arthur, Tx



DRIVER'S DAILY LOG

(24 HOURS)

2/12 109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

On-duty hours
today: (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow:
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow:
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have
hours available
again.

323
Total Miles Driving Today Total Mileage Today

2001-261-LT545-266
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Juan Morales
Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

81063
B/L or Manifest No.
or

Tipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2113 109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

2001-261-1294
260

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								8
																								4.5
																								6.5
																								5

REMARKS

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								24

SHIPPING
DOCUMENTS:

81063

B/L or Manifest No.

or 81469

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A. *

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A. *

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



601-L



DRIVER'S DAILY LOG

(24 HOURS)

(Month) / (Day) / (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

off Duty
Houston Tx
2-14-09
2-15-09



DRIVER'S DAILY LOG

(24 HOURS)

21 16 108
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

429

Total Miles Driving Today

Total Mileage Today

2001-261

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Juan Mendez
Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

24

SHIPPING
DOCUMENTS:

81398
B/L or Manifest No.
or 81710

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 / 17 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Juan M. Gonzalez

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

2001-241

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

SHIPPING
DOCUMENTS:

81399

B/L or Manifest No.

or 81401

Shipper & Commodity

Port Arthur, Tx
De Ridder, La
Port Arthur, Tx
De Ridder, La
Orange, Tx
Port Arthur, Tx

Enter name of place you reported to and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

© Copyright 2005 & Published by J. J. KELLER & ASSOCIATES, INC.

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today

B.
Total hours
available
tomorrow.
70 hr. minus A *

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A *

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



601-L



DRIVER'S DAILY LOG

(24 HOURS)

2/18/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Juan Mendez

Driver's Full Signature

Co-Driver's Name

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

420
Total Miles Driving Today

Total Mileage Today

2001-261

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

1.75
6.25
8.25
7.75

REMARKS

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

24

SHIPPING
DOCUMENTS:

81590

B/L or Manifest No.

or

81592

Shipper & Commodity

Port Arthur, TX

Minden, LA

Pine Bluff, AR

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2/19/08
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

428

Total Miles Driving Today

Total Mileage Today

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

2001-261

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct:

Juan Mendez
Driver's Full Signature

Co-Driver's Name

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
-----------	---	---	---	---	---	---	---	---	---	----	----	------	---	---	---	---	---	---	---	---	---	----	----	-------------

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

0

13

8.25

2.75

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
-----------	---	---	---	---	---	---	---	---	---	----	----	------	---	---	---	---	---	---	---	---	---	----	----	-------------

REMARKS

24

SHIPPING DOCUMENTS:

81592
B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

2 / 20 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

595
Total Miles Driving Today

Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

SHIPPING
DOCUMENTS:

B/L or Manifest No.

or

Shipper & Commodity

Enter name of place you reported to and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



DRIVER'S DAILY LOG

(24 HOURS)

21 21109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Juan Mendez
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



601-L

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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EPAHO041000930



DRIVER'S DAILY LOG

(24 HOURS)

2 / 22 / 04
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																							24	
2. SLEEPER BERTH																							0	
3. DRIVING																							0	
4. ON DUTY (NOT DRIVING)																							0	

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
REMARKS																							24	

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: _____ To: _____

USE TIME STANDARD AT HOME TERMINAL

© Copyright 2005 & Published by J. J. KELLER & ASSOCIATES, INC.

601-L



RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

off Duty
Port Arthur Tx



DRIVER'S DAILY LOG

(24 HOURS)

2123109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Juan Mendez
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

429
Total Miles Driving Today

Total Mileage Today

2001-261
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									6.25
2. SLEEPER BERTH																									3.75
3. DRIVING																									8.75
4. ON DUTY (NOT DRIVING)																									5.25

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																									24

SHIPPING DOCUMENTS:

81710
B/L or Manifest No.
or 81711

Upper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 12 4 1 0 9
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Juan Mendez
Driver's Full Signature

Co-Driver's Name

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

211

Total Miles Driving Today

Total Mileage Today

2001-261

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

SHIPPING
DOCUMENTS:

81847

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2 125 109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



601-L

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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EPAHO041000934



DRIVER'S DAILY LOG

(24 HOURS)

2126109
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Juan M. Lopez
Driver's Full Signature

Co-Driver's Name

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

421

Total Miles Driving Today

Total Mileage Today

2001-261
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

SHIPPING
DOCUMENTS:

81932

B/L or Manifest No.
or 62097

Shipper & Commodity

From:

To:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

Port Arthur, Tx
Bay View, Tx
Port Arthur, Tx
De Ridder, LA
Orange, Tx
Port Arthur, Tx

601-L



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DRIVER'S DAILY LOG

(24 HOURS)

2127 108
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Juan M. Garcia
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

427

Total Miles Driving Today

Total Mileage Today

2001-261
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

4.5

6

8.75

4.75

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

24

SHIPPING
DOCUMENTS:

81938

B/L or Manifest No.

or 81935

Shipper & Commodity

Port Arthur, Tx
Bon Wier, Tx
De Ridder, La
Port Arthur, Tx
De Ridder, La
Port Arthur, Tx

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

2128 108
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Juan Mendez
Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

RECAP
Complete at
end of workday.

On-duty hours
today. (Total
lines 3 & 4)

**70 Hour/
8 Day
Drivers**

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

**60 Hour/
7 Day
Drivers**

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

Total Miles Driving Today

Total Mileage Today

1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																								24
																								0
																								0
																								0

REMARKS

off Duty
Port Arthur Tx

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

02 01 09
(Month) (Day) (Year)

Original - to be at home terminal.
Duplicate - Driver retains in his/her possession for eight days.

RECAP
Complete at
end of workday.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Brent S. Little
Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

24
0
0
0

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow, 70 hr. minus A.

C. Total hours on duty last 7 days, including today.

60 Hour/
7 Day
Drivers

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

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601-L



A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow, 60 hr. minus A.

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

02/02/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Brent Setty
Driver's Full Signature

Co-Driver's Name

435

435

Total Miles Driving Today

Total Mileage Today

278/LT-848

Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

80644
80651

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Port Arthur, TX
Frederick, La
Deridder, La
Port Arthur, TX
Deridder, La
Port Arthur, TX
Postville

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP Complete at end of workday.

14
Total hours on duty last 7 days, including today.

70 Hour / 8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

02/03/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers
4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Brent Little
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of each day.

11/14
On-duty hours
today: Total
lines 3 & 4

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

Total hours
available
tomorrow:
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow:
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S DAILY LOG

(24 HOURS)

02 04 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Brent Sittig

Driver's Full Signature

Co-Driver's Name

433 433
Total Miles Driving Today Total Mileage Today

273/261
Truck, Tractor, and Trailer Numbers or License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									11 1/2
2. SLEEPER BERTH																									8 1/2
3. DRIVING																									4
4. ON DUTY (NOT DRIVING)																									24

REMARKS

80878

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP
Consolidate at
60 hr. work day.

12 1/2
On duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow: 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow: 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



601-L



DRIVER'S DAILY LOG

(24 HOURS)

02 / 05 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

332 332
Total Miles Driving Today Total Mileage Today

273/LT-1047/LT-423/260
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

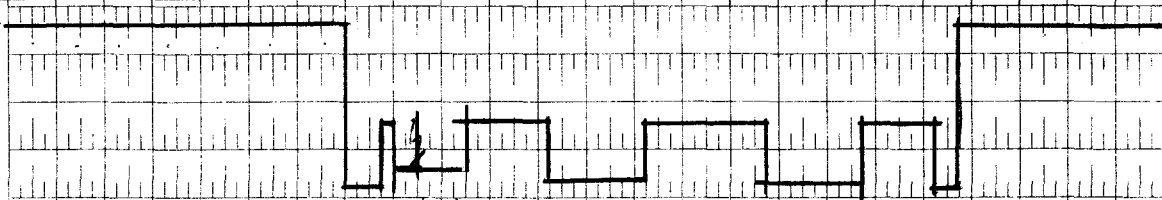
I certify these entries are true and correct.

Brent Little
Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

- 1. OFF DUTY
- 2. SLEEPER BERTH
- 3. DRIVING
- 4. ON DUTY (NOT DRIVING)



11 1/4
0
6
6 3/4

REMARKS

80973
80984

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

Port Arthur, TX
Nederland, TX
Houston, TX
Sulphur, LA
Port Arthur, TX
Post Trip

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Complete at end of 7th day
12/14
On-duty hours today (Total lines 3 & 4)
70 Hour / 8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow, 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow, 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

02 / 06 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Brent Sittig
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of duty day.

93/4

On-duty hours
today (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days
including today

B.
Total hours
available
tomorrow
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today

B.
Total hours
available
tomorrow
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



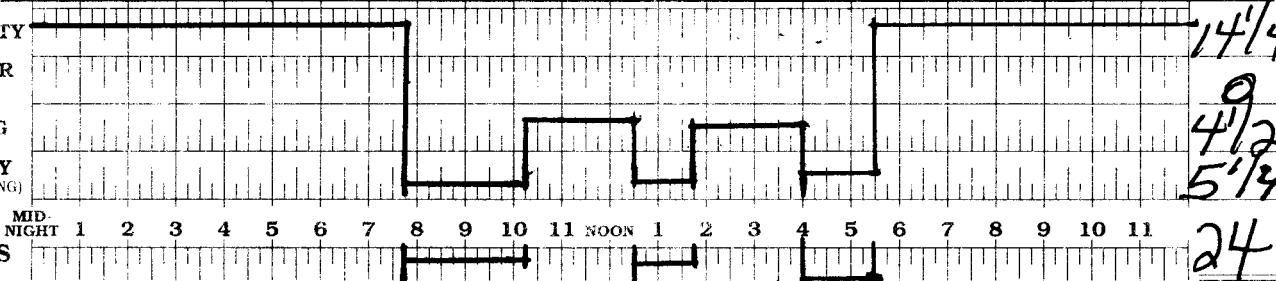
601-L

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MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY
2. SLEEPER BERTH
3. DRIVING
4. ON DUTY (NOT DRIVING)



REMARKS

80648
80658

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

Port Arthur, TX
Pre-trip

Deridder, LA

Port Arthur, TX



DRIVER'S DAILY LOG

(24 HOURS)

02 07 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.
Brent Sittig

Driver's Full Signature

Co-Driver's Name

426 426
Total Miles Driving Today Total Mileage Today

273/261/267
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

RECAP
Complete at end of 7th day.
14 3/4
On duty hours today (Total lines 3 & 4)
70 Hour / 8 Day Drivers

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									9 1/4
2. SLEEPER BERTH																									0
3. DRIVING																									9
4. ON DUTY (NOT DRIVING)																									5 3/4

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
80649 81042 SHIPPING DOCUMENTS: B/L or Manifest No. or Shipper & Commodity																									24
Port Arthur, TX Pretrip / Load																									
Deridder, La.																									
Port Arthur, TX																									
Deridder, La.																									
Port Arthur, TX Posttrip																									

A. Total hours on duty last 7 days, including today.
B. Total hours available tomorrow, 70 hr. minus A.*
C. Total hours on duty last 8 days, including today.
60 Hour / 7 Day Drivers
A. Total hours on duty last 6 days, including today.
B. Total hours available tomorrow, 60 hr. minus A.*
C. Total hours on duty last 7 days, including today.
*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



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DRIVER'S DAILY LOG

(24 HOURS)

02 08 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Brent Sittig

Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									24
2. SLEEPER BERTH																									0
3. DRIVING																									0
4. ON DUTY (NOT DRIVING)																									0

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
REMARKS																									24

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Complete at
end of workday.

0

On-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 6670
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

02/09/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Brent Sittig
Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

273/260/LT-1047

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

5593668
5593669

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Port Arthur, TX
Nederland, TX
Port Arthur, TX
Winnie, TX
Port Arthur, TX
Winnie, TX
Port Arthur, TX
Postrip

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP
Complete at
end of workday.

1174
on-duty hours
today. (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60-70
hours available
again.

601-L





DRIVER'S DAILY LOG

(24 HOURS)

02/10/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Brent Sittig
Driver's Full Signature

Co-Driver's Name

RECAP
Completed at
end of work day.

14

On duty hours
today (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

Total hours on
duty last 7 days,
including today.

Total hours
available
tomorrow
(60 hr. minus A.)

Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

Total hours on
duty last 7 days,
including today.

Total hours
available
tomorrow
(60 hr. minus A.)

Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

81127

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

02/11/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

RECAP
Complete at
end of workday.

On-duty hours
today (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow:
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow:
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Brent Sittig

Driver's Full Signature

Co-Driver's Name

103

103

Total Miles Driving Today

Total Mileage Today

273/208/1264

Truck Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

15

0

2 1/2

6 1/2

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

24

81224
005593501

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

02/12/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Brent Sittig
Driver's Full Signature

Co-Driver's Name

RECAP

Completed

02/12/09

1074

1074

1074

1074

1074

1074

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1074



DRIVER'S DAILY LOG

(24 HOURS)

02/13/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct:

Brent Sitty
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of week

13/14
On duty hours
today: Total
Lines 3 & 4

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today

B.
Total hours
available
tomorrow
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

005593703
005593704
005593705

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

*Port Arthur, TX
Pretrip/LOAD*

*Winnie, TX
Port Arthur, TX*

*Winnie, TX
Port Arthur, TX*

*Winnie, TX
Port Arthur, TX
Posttrip*

601-L



Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S DAILY LOG

(24 HOURS)

2/14/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Brent Sittig
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of workday.

On-duty hours
today. Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L



Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: _____ To: _____

USE TIME STANDARD AT HOME TERMINAL

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SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Total Miles Driving Today Total Mileage Today

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

TOTAL
HOURS

24

0

0

0

24

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11



DRIVER'S DAILY LOG

(24 HOURS)

02/15/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Brent Sitty
Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

24

0

0

0

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

24

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Complete at
end of workday.

On-duty hours
today (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow:
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow:
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

02 / 16 / 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Brent Sittig
Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of each day.

93/4
Of duty hours
today. (Total
lines 3 & 4)

70 Hour/
6 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow,
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow,
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

217 217
Total Miles Driving Today Total Mileage Today

273/266
Truck Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

Truck Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

81408

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

02/17/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Brent Ditty
Driver's Full Signature

Co-Driver's Name

341 341
Total Miles Driving Today Total Mileage Today

273/8177/255
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									11
2. SLEEPER BERTH																									0
3. DRIVING																									7 1/4
4. ON DUTY (NOT DRIVING)																									5 3/4
REMARKS																									24

81431
81411
SHIPPING DOCUMENTS:
B/L or Manifest No. or
Shipper & Commodity
From: _____ To: _____
USE TIME STANDARD AT HOME TERMINAL

Port Arthur, TX
Westlake, La.
Port Arthur, TX
Deridder, La.
Port Arthur, TX

601-L

RECAP
Complete at
end of week/day.

13
On-duty hours today. (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow. 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

02 18 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Brent Sittz
Driver's Full Signature

Co-Driver's Name

REC-AP

Complete

end of shift

Quality hours

only. Total

lines 3 & 4

70 Hour/
8 Day
Drivers

A.

Total hours on

duty last 7 days,

including today

B.

Total hours

available

tomorrow

70 hr. minus A*

C.

Total hours on

duty last 8 days,

including today

60 Hour/
7 Day
Drivers

A.

Total hours on

duty last 6 days,

including today

B.

Total hours

available

tomorrow

60 hr. minus A*

C.

Total hours on

duty last 7 days,

including today

*If you took

34 consecutive

hours off duty,

you have 60/70

hours available

again.



601-L

Enter name of place you reported and when released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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DRIVER'S DAILY LOG

(24 HOURS)

02 / 19 / 09
(Month) (Day) (Year)

Original - File at home terminal.
Duplicate - Driver retains in his/her possession for eight days.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

RECAP
Complete at
end of each day.

13

On-duty hours
today: (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow:
70 hr. minus A.

C. Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow:
60 hr. minus A.

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

318 318
Total Miles Driving Today Total Mileage Today

273/208/224/237/420

Truck/Tractor and Trailer Numbers or
License Plate(s) State (show each unit)

certify these entries are true and correct

Brent Sittig

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11

REMARKS

005593523
81709
81407

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

02/20/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Brent Sitty
Driver's Full Signature

Co-Driver's Name

133 133
Total Miles Driving Today Total Mileage Today

273/8177/239
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

REMARKS

81788
81511
81512

SHIPPING DOCUMENTS:

B/L or Manifest No. or

Shipper & Commodity

*Port Arthur, TX
Pretrip*
Westlake, La.
*Port Arthur, TX
LOAD/UNLOAD*

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From: To:

USE TIME STANDARD AT HOME TERMINAL

© Copyright 2005 & Published by J. J. KELLER & ASSOCIATES, INC.

RECAP
Complete at end of workday.

On-duty hours today. Total lines 3 & 4

70 Hour / 8 Day Drivers

A. Total hours on duty last 7 days, including today

B. Total hours available tomorrow. 70 hours minus A.

Total hours on duty last 8 days, including today

60 Hour / 7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow. 60 hours minus A.

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.

13
0
3 1/4
73 1/4
24

601-L





DRIVER'S DAILY LOG

(24 HOURS)

02/21/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.
Brent Sittig

Driver's Full Signature

Co-Driver's Name

RECAP
Complete at
end of week

103/4

On duty hours
today: (Total
Lines 3 & 4)

70 Hour/
8 Day
Drivers

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow:
"0 hr. minus A."

C. Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow:
"0 hr. minus A."

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

216
Total Miles Driving Today

216
Total Mileage Today

273/420/237

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									13 1/4
2. SLEEPER BERTH																									9 1/4
3. DRIVING																									43 1/4
4. ON DUTY (NOT DRIVING)																									6

REMARKS	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
																									24

81873
81606

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

02/22/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify that entries are true and correct:

Brent Little
Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
-----------	---	---	---	---	---	---	---	---	---	----	----	------	---	---	---	---	---	---	---	---	---	----	----	-------------

1. OFF DUTY

2. SLEEPER BERTH

3. DRIVING

4. ON DUTY (NOT DRIVING)

24

0

0

0

REMARKS

MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
-----------	---	---	---	---	---	---	---	---	---	----	----	------	---	---	---	---	---	---	---	---	---	----	----	-------------

24

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP
Complete at
end of workday.

On-duty hours
today. Total
times 3 & 4

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow,
70 hr. minus A.

C.
Total hours on
duty last 8 days,
including today

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow,
60 hr. minus A.

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60-70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

02 23 09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.
Brent Sittig

Driver's Full Signature

Co-Driver's Name

2005/218/1264

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

81659
00559/65

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

Enter name of place you reported and where released from work and when and where each change of duty occurred.

To:

USE TIME STANDARD AT HOME TERMINAL

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RECAP
Complete at
end of each day.

On-duty hours
today: (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow:
70 hr. minus A.

C. Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow:
60 hr. minus A.

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

601-L





DRIVER'S DAILY LOG

(24 HOURS)

02/24/09
(Month) (Day) (Year)

Original - File at home terminal.
Duplicate - Driver retains in his/her possession for eight days.

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

RECAP
Complete at
end of each day.

1274

70 Hour /
3 Day
Drivers

209 209
Total Miles Driving Today Total Mileage Today

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

2005/8177/237/224

Certify these entries are true and correct:

Brent Sitty

Driver's Full Signature

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

11 1/4
0

5
73/4

24

REMARKS

81816
81907
005593516
SHIPPING
DOCUMENTS:
B/L or Manifest No.
or
Shipper & Commodity
Port Arthur, Tx
Westlake, Tx
Port Arthur, Tx
Winnie, Tx
Port Arthur, Tx
Post trip

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



A. Total hours on
duty last 7 days,
including today.

B. Total hours
available
tomorrow.
70 hr. minus A.

C. Total hours on
duty last 7 days,
including today.

60 Hour /
7 Day
Drivers

A. Total hours on
duty last 6 days,
including today.

B. Total hours
available
tomorrow.
60 hr. minus A.

C. Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.



DRIVER'S DAILY LOG

(24 HOURS)

02/25/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Brent Sittig
Driver's Full Signature

Co-Driver's Name

Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

2005/267

Total Miles Driving Today

Total Mileage Today

RECAP
Complete at
end of today.

On duty hours
today. Total
uses 3 & 4.

70 Hour /
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour /
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
31 consecutive
hours off duty,
you have 60/70
hours available
again.

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									9 3/4
2. SLEEPER BERTH																									9
3. DRIVING																									7 1/4
4. ON DUTY (NOT DRIVING)																									5

REMARKS

81930
81929

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L





DRIVER'S DAILY LOG

(24 HOURS)

02/27/09
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

I certify these entries are true and correct.

Brent Sittig
Driver's Full Signature

Co-Driver's Name

227 227
Total Miles Driving Today Total Mileage Today

273/8177/218
Truck/Tractor and Trailer Numbers or License Plate(s) / State (show each unit)

	MID-NIGHT	1	2	3	4	5	6	7	8	9	10	11	NOON	1	2	3	4	5	6	7	8	9	10	11	TOTAL HOURS
1. OFF DUTY																									11 3/4
2. SLEEPER BERTH																									0
3. DRIVING																									5 1/2
4. ON DUTY (NOT DRIVING)																									6 1/4
REMARKS																									24

82044
005593784

SHIPPING DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L



RECAP Complete at end of week

12/74
On-duty hour today: (Total lines 3 & 4)

70 Hour/8 Day Drivers

A. Total hours on duty last 7 days, including today.

B. Total hours available tomorrow: 70 hr. minus A.*

C. Total hours on duty last 8 days, including today.

60 Hour/7 Day Drivers

A. Total hours on duty last 6 days, including today.

B. Total hours available tomorrow: 60 hr. minus A.*

C. Total hours on duty last 7 days, including today.

*If you took 34 consecutive hours off duty, you have 60/70 hours available again.



DRIVER'S DAILY LOG

(24 HOURS)

02, 28, 07
(Month) (Day) (Year)

Original - File at home terminal
Duplicate - Driver retains in his/her possession for eight days

CES ENVIRONMENTAL SERVICES

Name of Carrier or Carriers

4904 GRIGGS RD. - HOUSTON, TX 77021

Main Office Address

4904 GRIGGS RD. - HOUSTON, TX 77021

Home Terminal Address

RECAP
Complete at
end of workday.

On-duty hours
today (Total
lines 3 & 4)

70 Hour/
8 Day
Drivers

A.
Total hours on
duty last 7 days,
including today.

B.
Total hours
available
tomorrow.
70 hr. minus A.*

C.
Total hours on
duty last 8 days,
including today.

60 Hour/
7 Day
Drivers

A.
Total hours on
duty last 6 days,
including today.

B.
Total hours
available
tomorrow.
60 hr. minus A.*

C.
Total hours on
duty last 7 days,
including today.

*If you took
34 consecutive
hours off duty,
you have 60/70
hours available
again.

128

128

Total Miles Driving Today

Total Mileage Today

273/8177
Truck/Tractor and Trailer Numbers or
License Plate(s) / State (show each unit)

I certify these entries are true and correct.
Driver's Full Signature: *Brent Bittig*

Co-Driver's Name

MID-NIGHT 1 2 3 4 5 6 7 8 9 10 11 NOON 1 2 3 4 5 6 7 8 9 10 11 TOTAL HOURS

1. OFF DUTY

2. SLEEPER
BERTH

3. DRIVING

4. ON DUTY
(NOT DRIVING)

REMARKS

82100

SHIPPING
DOCUMENTS:

B/L or Manifest No.
or

Shipper & Commodity

*Port Arthur, TX.
Pretrip*
Westlake, La.
*Port Arthur, TX.
Posttrip*

Enter name of place you reported and where released from work and when and where each change of duty occurred.

From:

To:

USE TIME STANDARD AT HOME TERMINAL

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601-L

